

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
The Dow Chemical Company

AUTHORIZING THE OPERATION OF  
Dow Texas Operations Freeport  
Hydrocarbons  
All Other Basic Organic Chemical Manufacturing

LOCATED AT  
Brazoria County, Texas  
Latitude 28° 59' 27" Longitude 95° 24' 27"  
Regulated Entity Number: RN100225945

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: Q2213 Issuance Date: April 1, 2020

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For the Commission

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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subparts YY, EEEE, FFFF, ZZZZ and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30

TAC Chapter 113, Subchapter C, §§ 113.560, 113.880, 113.890, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 101.302 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
  - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
- (i) Title 30 TAC § 101.352 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
  - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
  - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)
  - (v) Title 30 TAC § 101.359 (relating to Reporting)
  - (vi) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
  - (vii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

- I. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 6 (Highly Reactive Volatile Organic Compound Emissions Cap and Trade Program) requirements:
  - (i) Title 30 TAC § 101.392 (relating to Exemptions)
  - (ii) Title 30 TAC § 101.401 (relating to Level of Activity Certification)
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
  - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
  - A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under

30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test

specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the

plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from



each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

- G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
  - (ii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
  - (iii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).
- 5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:
  - A. Title 30 TAC § 115.142 (relating to Control Requirements)
  - B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)
  - C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)
  - D. Title 30 TAC § 115.142(1)(G) and (H) (relating to Control Requirements)
  - E. Title 30 TAC § 115.144(1), (5), and (6) (relating to Inspection and Monitoring Requirements)
  - F. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - G. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - H. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.221 (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.222 (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.224 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.225 (relating to Testing Requirements)
    - (vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)

7. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:
- A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 115.541(a) - (c) (relating to Emission Specifications)
  - (ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks
  - (iii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.
  - (iv) Title 30 TAC § 115.542(b) - (d), (relating to Control Requirements)
  - (v) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)
  - (vi) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections
  - (vii) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring
  - (viii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices
  - (ix) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)
  - (x) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring
  - (xi) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)
  - (xii) Title 30 TAC § 115.545(1) - (7), (9) - (11) and (13) (relating to Approved Test Methods)
  - (xiii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping
  - (xiv) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)
  - (xv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)

- (xvi) Title 30 TAC § 115.546(b) (relating to Recordkeeping and Notification Requirements), for notification
  - (xvii) Title 30 TAC § 115.547(4) (relating to Exemptions)
- 8. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter H, Division 1 for pressure relief devices not controlled by a flare:
  - A. Title 30 TAC § 115.725(c)
  - B. Title 30 TAC § 115.725(c)(1), (c)(1)(A) - (C)
  - C. Title 30 TAC § 115.725(c)(2)
  - D. Title 30 TAC § 115.725(c)(3), (c)(3)(A) - (E)
  - E. Title 30 TAC § 115.725(c)(4)
  - F. Title 30 TAC § 115.725(l)
  - G. Title 30 TAC § 115.726(c), (c)(1) - (4)
- 9. The permit holder shall comply with the requirements of 30 TAC § 115.726(e)(3)(A) for vent streams having no potential to emit HRVOC.
- 10. The permit holder shall comply with the requirements of 30 TAC § 115.726(e)(3)(A) for vent streams from sources exempt under 30 TAC § 115.727(c)(3).
- 11. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
- 12. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
  - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

- C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
  - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
  - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
  - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
  - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
  - H. Title 40 CFR § 61.15 (relating to Modification)
  - I. Title 40 CFR § 61.19 (relating to Circumvention)
13. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
  - B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)
  - C. For exempting waste streams:
    - (i) Title 40 CFR § 61.342(c)(3)(i) (relating to Standards: General)
    - (ii) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
  - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
  - H. Title 40 CFR § 61.355(j) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(2)(i) - (ii) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
  - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
  - O. Title 40 CFR § 61.357(d)(3) (relating to Reporting Requirements)

14. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
  - A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
  - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
15. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
  - A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)
  - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
16. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
17. For transfer of waste from ethylene production facilities subject to 40 CFR Part 63, Subpart YY the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):
  - A. Title 40 CFR § 63.1096(a) - (d) (Title 30 TAC Chapter 113, Subchapter C, § 113.550 incorporated by reference)
  - B. Title 40 CFR § 63.1109(a) and (c)
18. For benzene laden waste streams from ethylene process facilities subject to 40 CFR Part 63, Subpart YY with total annual benzene quantity from the facility of 10 megagrams per year or more the permit holder shall comply with the following requirements as specified in 40 CFR § 63.1095(b)(2) (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):
  - A. For facilities with waste managed in containers the permit holder shall comply with the following requirements:
    - (i) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
    - (ii) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
    - (iii) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

19. For containers managing remediation materials subject to 40 CFR Part 63, Subpart GGGGG, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference):
- A. Title 40 CFR § 63.922(b)(1) - (3), (c), (d)(1) - (5), (e), and (f)(1) - (4) (relating to Standards - Container Level 1 Controls)
  - B. Title 40 CFR § 63.923(b)(1) - (3), (c), (d)(1) - (5), (e), and (f)(1) - (4) (relating to Standards - Container Level 2 Controls)
  - C. Title 40 CFR § 63.925(a)(1) - (8), and (b)(1) - (3) (relating to Test Methods and Procedures)
  - D. Title 40 CFR § 63.926(a)(1) - (3) (relating to Inspection and Monitoring Requirements)
  - E. Title 40 CFR § 63.7901(b) and (b)(1), for initial demonstration of compliance
  - F. Title 40 CFR § 63.7901(c), (c)(1), and (c)(2), for initial demonstration of compliance
  - G. Title 40 CFR § 63.7901(d), and (d)(1) - (4), for initial demonstration of compliance
  - H. Title 40 CFR § 63.7903(b) and (b)(1), for continuous demonstration of compliance
  - I. Title 40 CFR § 63.7903(c)(4), (c)(4)(i), and (c)(4)(ii), for continuous demonstration of compliance
  - J. Title 40 CFR § 63.7903(d)(5), (d)(5)(i), and (d)(5)(ii), for continuous demonstration of compliance
  - K. Title 40 CFR § 63.7952(c), for recordkeeping
20. For miscellaneous chemical process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.2485, Table 7, the permit holder shall comply with the requirements of 40 CFR § 63.105 (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).
21. For the transfer of site remediation materials subject to 40 CFR Part 63, Subpart GGGGG off-site to another facility, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference):
- A. Title 40 CFR § 63.7936(a), for the transfer of site remediation materials
  - B. Title 40 CFR § 63.7936(b)(1), for transfer to a landfill or land disposal unit
  - C. Title 40 CFR § 63.7936(b)(2), for transfer to a facility subject to 40 CFR Part 63, Subpart DD
  - D. Title 40 CFR § 63.7936(b)(3), (b)(3)(i) - (iv), for transfer to a facility managing the site remediation material according to the requirements of 40 CFR Part 63, Subpart GGGGG
22. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local

air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

#### **Additional Monitoring Requirements**

23. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### **New Source Review Authorization Requirements**

24. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms and conditions which include monitoring, recordkeeping, and reporting in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated January 18, 2022 in the application for project 33193), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
25. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
26. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).



27. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
  - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
  - C. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

#### **Compliance Requirements**

28. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
29. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
      - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).
  - C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
30. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)

- (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
- (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

31. Use of Discrete Emission Credits to comply with the applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
  - (i) Title 30 TAC Chapter 115
  - (ii) Title 30 TAC Chapter 117
  - (iii) If applicable, offsets for Title 30 TAC Chapter 116
  - (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
  - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

32. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

## **Protection of Stratospheric Ozone**

33. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
  - B. The permit holder shall comply with 40 CFR Part 82, Subpart A for controlling the production, transformation, destruction, export or import of a controlled (ozone-depleting) substance or product as specified in 40 CFR § 82.1 - § 82.13 and the applicable Part 82 Appendices.
  - C. The permit holder shall comply with the following 40 CFR Part 82, Subpart E requirements for labeling products using ozone-depleting substances:
    - (i) Title 40 CFR § 82.100 (relating to Purpose)
    - (ii) Title 40 CFR § 82.102(a)(1) - (3), (b), (c) (relating to Applicability);
    - (iii) Title 40 CFR § 82.104 (relating to Definitions)
    - (iv) Title 40 CFR § 82.106 - 112 (relating to Warning Statements and Labels)
    - (v) Title 40 CFR § 82.114 (relating to Labeling Containers of Controlled [ozone - depleting] Substances)
    - (vi) Title 40 CFR § 82.116 (relating to Incorporation of Products Manufactured with Controlled [ozone-depleting] Substances)
    - (vii) Title 40 CFR § 82.120 (relating to Petitions)
    - (viii) Title 40 CFR § 82.122 (relating Certification, Recordkeeping, and Notice requirements)
    - (ix) Title 40 CFR § 82.124 (relating to Prohibitions)
  - D. The permit holder shall comply with 40 CFR Part 82, Subpart A, § 82.13 related to recordkeeping and reporting requirements for the production and consumption of ozone depleting substances.

## **Temporary Fuel Shortages (30 TAC § 112.15)**

34. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
- A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
  - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

- C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
- D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

**Permit Location**

- 35. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

**Permit Shield (30 TAC § 122.148)**

- 36. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

### **Applicable Requirements Summary**

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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
A25SILRT25	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
A25SISTT25	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B4SILRD500	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
B4SISTD500	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B56L7FU01	Fugitive Emission Units	N/A	R5780-ALL	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
B56L7FU01	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
B56L7FU01	Fugitive Emission Units	N/A	61V-ALL	40 CFR Part 61, Subpart V	No changing attributes.
B60L7F1	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
B60L7F1	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
B60L7F1	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
B60L7F1	Emission Points/Stationary Vents/Process Vents	N/A	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
B60L7FU1	Fugitive Emission Units	N/A	63YY-01	40 CFR Part 63, Subpart YY	No changing attributes.
B72L7CT1	Industrial Process Cooling Towers	N/A	R5760-01	30 TAC Chapter 115, HRVOC Cooling Towers	Flow Monitoring/Testing Method = Choosing to use a continuous flow monitor on each inlet of each cooling tower in accordance with § 115.764(a)(1), (b)(1), or (h)(1).

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
B72L7CT1	Industrial Process Cooling Towers	N/A	R5760-02	30 TAC Chapter 115, HRVOC Cooling Towers	Flow Monitoring/Testing Method = Choosing to use a monitor to continuously measure and record each cooling water pump discharge pressure to establish the total dynamic head of the cooling water system in accordance with § 115.764(e)(2).
B72L7D103	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B72L7D18	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B72L7D18A	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B72L7D18C	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
B72L7D19	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B72L7D2	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
B72L7D202	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D203B	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D204A	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D204B	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D204C	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D27	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D28	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
B72L7D4	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
B72L7D450	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B72L7D450	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D452	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D453	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D511	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
B72L7D530A	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D6	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D63	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D6A	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D7	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D77	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7D80	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B72L7D81	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B72L7DF1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B72L7DF2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
B72L7F2	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
B72L7F2	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
B72L7F2	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
B72L7FU1	Fugitive Emission Units	N/A	R5780-ALL	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
B72L7FU1	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
B72L7FU1	Fugitive Emission Units	N/A	63YY-01	40 CFR Part 63, Subpart YY	No changing attributes.
B72L7GE01	SRIC Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
B72L7GE01	SRIC Engines	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
B72L7GE02	SRIC Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
B72L7GE02	SRIC Engines	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
B72L7GE02	SRIC Engines	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
B72L7LR1	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b)., True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized., Chapter 115 Control Device Type = No control device., Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.
B72L7LR1	Loading/Unloading Operations	N/A	R5211-02	30 TAC Chapter 115, Loading and Unloading of VOC	Alternate Control Requirement (ACR) = No alternate control requirements are being utilized., True Vapor Pressure = True vapor pressure less than 0.5 psia.
B72L7S206	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
B72L7SC02	Solvent Degreasing Machines	N/A	R5412-01	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
B72L7SP203	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BM54SILR30	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
BM54SIST30	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BSRHSBH	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BSRSR617	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BSRSRF200	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BSRSRF200	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BSRSRF402	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BSRSRF402	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
BSRSRF402	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BSRSRF402	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
BSRSRFMNF	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BSRSRFMNF	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
BSRSRFMNF	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BSRSRFMW1	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BSRSRFMW1	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
BSRSRFMW1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BSRSRFUBRK	Fugitive Emission Units	N/A	R5780-01	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
BSRSRFUBRK	Fugitive Emission Units	N/A	61J-ALL	40 CFR Part 61, Subpart J	No changing attributes.
BSRSRFUBRK	Fugitive Emission Units	N/A	61V-ALL	40 CFR Part 61, Subpart V	No changing attributes.
BSRSRFUDOW	Fugitive Emission Units	N/A	R5780-01	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
BSRSRFUSTV	Fugitive Emission Units	N/A	R5780-01	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
BSRSRGE14	SRIC Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BSRSRGE14	SRIC Engines	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BSRSRGE55A	SRIC Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BSRSRGE55A	SRIC Engines	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
BSRSRH575	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BSRSRH575	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
BSRSRH628	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BSRSRHDHT	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BSRSRHDHT	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
BSRSRHET1	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BSRSRHET1	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
BSRSRHET2	Process Heaters/Furnaces	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
BSRSRHET2	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
BSRSRLR615	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
BSRSROE1	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BSRSROE1	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
BSRSROE1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BSRSRPLHC1	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BSRSRPLHC2	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BSRSRS401	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BSRSRSC01	Solvent Degreasing Machines	N/A	R5412-01	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
BSRSRSC301	Solvent Degreasing Machines	N/A	R5412-01	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
BSRSRSP626	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
BSRSRST615	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BSRSRST615	Storage Tanks/Vessels	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
BSRSRST616	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
BSRSRST616	Storage Tanks/Vessels	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BSRSRTL1	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b)., True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized., Chapter 115 Control Device Type = No control device., Control Options = Vapor control system that maintains a control efficiency of at least 90%., Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.
BSRSRTL1	Loading/Unloading Operations	N/A	R5211-02	30 TAC Chapter 115, Loading and Unloading of VOC	Alternate Control Requirement (ACR) = No alternate control requirements are being utilized., True Vapor Pressure = True vapor pressure less than 0.5 psia.
BSRSRVSTV	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP1L8PF	Emission Points/Stationary Vents/Process Vents	OC6L8H1, OC6L8H2, OC6L8H3, OC6L8H4, OC6L8H5, OC6L8H6, OC6L8H7	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
GRP1L8PF	Emission Points/Stationary Vents/Process Vents	OC6L8H1, OC6L8H2, OC6L8H3, OC6L8H4, OC6L8H5, OC6L8H6, OC6L8H7	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP1L8PF	Process Heaters/Furnaces	OC6L8H1, OC6L8H2, OC6L8H3, OC6L8H4, OC6L8H5, OC6L8H6, OC6L8H7	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP2L8PF	Emission Points/Stationary Vents/Process Vents	OC6L8H10, OC6L8H8, OC6L8H9	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
GRP2L8PF	Emission Points/Stationary Vents/Process Vents	OC6L8H10, OC6L8H8, OC6L8H9	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP2L8PF	Process Heaters/Furnaces	OC6L8H10, OC6L8H8, OC6L8H9	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP2L8PF	Reactor	OC6L8H10, OC6L8H8, OC6L8H9	60RRR-01	40 CFR Part 60, Subpart RRR	No changing attributes.
GRPL7PF	Emission Points/Stationary Vents/Process Vents	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
GRPL7PF	Emission Points/Stationary Vents/Process Vents	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPL7PF	Process Heaters/Furnaces	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPL7PF	Reactor	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	60RRR-01	40 CFR Part 60, Subpart RRR	Control Device Id No. = B56P9SB1
GRPL7PF	Reactor	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	60RRR-02	40 CFR Part 60, Subpart RRR	Control Device Id No. = B56P9SB2

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPL7PF	Reactor	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	60RRR-03	40 CFR Part 60, Subpart RRR	Control Device Id No. = B56P9SB3
GRPL7PF	Reactor	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	60RRR-04	40 CFR Part 60, Subpart RRR	Control Device Id No. = B56P9SB4
GRPL7PF	Reactor	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	60RRR-05	40 CFR Part 60, Subpart RRR	Control Device Id No. = B56P9GT96

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPL8DIST	Distillation Operations	OC6L8T1251, OC6L8T160, OC6L8T19, OC6L8T201, OC6L8T20A, OC6L8T20B, OC6L8T251, OC6L8T252, OC6L8T301, OC6L8T350, OC6L8T40, OC6L8T41, OC6L8T50, OC6L8T51, OC6L8T52, OC6L8T54A, OC6L8T54B, OC6L8T60, OC6L8T64A, OC6L8T64B, OC6L8T72	60NNN-01	40 CFR Part 60, Subpart NNN	Control Device Id No. = OC8P8DB1

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPL8DIST	Distillation Operations	OC6L8T1251, OC6L8T160, OC6L8T19, OC6L8T201, OC6L8T20A, OC6L8T20B, OC6L8T251, OC6L8T252, OC6L8T301, OC6L8T350, OC6L8T40, OC6L8T41, OC6L8T50, OC6L8T51, OC6L8T52, OC6L8T54A, OC6L8T54B, OC6L8T60, OC6L8T64A, OC6L8T64B, OC6L8T72	60NNN-02	40 CFR Part 60, Subpart NNN	Control Device Id No. = OC8P8DB2

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPL8DIST	Distillation Operations	OC6L8T1251, OC6L8T160, OC6L8T19, OC6L8T201, OC6L8T20A, OC6L8T20B, OC6L8T251, OC6L8T252, OC6L8T301, OC6L8T350, OC6L8T40, OC6L8T41, OC6L8T50, OC6L8T51, OC6L8T52, OC6L8T54A, OC6L8T54B, OC6L8T60, OC6L8T64A, OC6L8T64B, OC6L8T72	60NNN-03	40 CFR Part 60, Subpart NNN	Control Device Id No. = OC8P8DB3
OC2L8GF500	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
OC2L8GF500	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
OC2L8GF500	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6FL066A	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6FL066A	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6FL066B	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6FL066B	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6FL166A	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6FL166A	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6FL166B	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6FL166B	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6L8CT800	Industrial Process Cooling Towers	N/A	R5760-01	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
OC6L8D069	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8D069	Volatile Organic Compound Water Separators	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF, Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE, Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER
OC6L8D069	Volatile Organic Compound Water Separators	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = FLARE
OC6L8D1015	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8D1015	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8D1080	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8D1080	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6L8D1081	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8D1081	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8D1180	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8D1180	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6L8D1181	Wastewater Units	N/A	R5140-01	30 TAC Chapter 115, Industrial Wastewater	Control Devices = Enclosed non-catalytic combustion device.
OC6L8D1181	Wastewater Units	N/A	R5140-02	30 TAC Chapter 115, Industrial Wastewater	Control Devices = Flare.
OC6L8D1181	Volatile Organic Compound Water Separators	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF, Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE, Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER
OC6L8D1181	Volatile Organic Compound Water Separators	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = FLARE
OC6L8D1540	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8D169	Wastewater Units	N/A	R5140-01	30 TAC Chapter 115, Industrial Wastewater	Control Devices = Enclosed non-catalytic combustion device.
OC6L8D169	Wastewater Units	N/A	R5140-02	30 TAC Chapter 115, Industrial Wastewater	Control Devices = Flare.
OC6L8D169	Volatile Organic Compound Water Separators	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF, Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE, Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER
OC6L8D169	Volatile Organic Compound Water Separators	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = FLARE
OC6L8D230	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
OC6L8D27	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
OC6L8D280	Wastewater Units	N/A	R5140-01	30 TAC Chapter 115, Industrial Wastewater	Control Devices = Enclosed non-catalytic combustion device.
OC6L8D280	Wastewater Units	N/A	R5140-02	30 TAC Chapter 115, Industrial Wastewater	Control Devices = Flare.
OC6L8D301	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.
OC6L8D433	Volatile Organic Compound Water Separators	N/A	R5131-01	30 TAC Chapter 115, Water Separation	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8D906	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
OC6L8D91	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	Control Device Id No. = OC2F500
OC6L8D91	Storage Tanks/Vessels	N/A	R5112-02	30 TAC Chapter 115, Storage of VOCs	Control Device Id No. = OC6L8F1
OC6L8D97	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	Control Device Id No. = OC2F500
OC6L8D97	Storage Tanks/Vessels	N/A	R5112-02	30 TAC Chapter 115, Storage of VOCs	Control Device Id No. = OC6L8F1
OC6L8D97	Storage Tanks/Vessels	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
OC6L8F1	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
OC6L8F1	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
OC6L8F1	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
OC6L8F1018	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
OC6L8F1018	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
OC6L8F1018	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
OC6L8F902	Flares	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
OC6L8F902	Flares	N/A	R5720-01	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
OC6L8F902	Flares	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8FU01	Fugitive Emission Units	N/A	R5780-ALL	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
OC6L8FU01	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
OC6L8FU01	Fugitive Emission Units	N/A	63YY-01	40 CFR Part 63, Subpart YY	No changing attributes.
OC6L8FU11	Fugitive Emission Units	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
OC6L8FU11	Fugitive Emission Units	N/A	63YY-01	40 CFR Part 63, Subpart YY	No changing attributes.
OC6L8GE03	SRIC Engines	N/A	R7ICI-01	30 TAC Chapter 117, Subchapter B	No changing attributes.
OC6L8GE03	SRIC Engines	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8LR1	Loading/Unloading Operations	N/A	R5211-01	30 TAC Chapter 115, Loading and Unloading of VOC	Alternate Control Requirement (ACR) = Using the 90% overall control option specified in 30 TAC § 115.213(b)., True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 and less than 11.0 psia, the overall emission controls are at least 90%, and an initial control plan and annual report has been submitted., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized., Chapter 115 Control Device Type = No control device., Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.
OC6L8LR1	Loading/Unloading Operations	N/A	R5211-02	30 TAC Chapter 115, Loading and Unloading of VOC	Alternate Control Requirement (ACR) = No alternate control requirements are being utilized., True Vapor Pressure = True vapor pressure less than 0.5 psia.
OC6L8R44A	Reactor	N/A	60RRR-01	40 CFR Part 60, Subpart RRR	No changing attributes.
OC6L8R44B	Reactor	N/A	60RRR-01	40 CFR Part 60, Subpart RRR	No changing attributes.
OC6L8RX1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	Control Device Id No. = OC6L8F1018

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8RX1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-02	30 TAC Chapter 115, Vent Gas Controls	Control Device Id No. = OC6L8F1
OC6L8RX2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	Control Device Type = Direct flame incinerator in which the vent gas stream is burned at a temperature or at least 1300° F (704 C).
OC6L8RX2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-02	30 TAC Chapter 115, Vent Gas Controls	Control Device Type = Smokeless flare
OC6L8RX3	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
OC6L8RX4	Emission Points/Stationary Vents/Process Vents	N/A	R5121-01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
OC6L8S068	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8S068	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8S168	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8S168	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6L8SC01	Solvent Degreasing Machines	N/A	R5412-01	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
OC6L8ST01A	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
OC6L8ST01B	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
OC6L8ST505	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
OC6L8ST901	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
OC6L8ST901	Storage Tanks/Vessels	N/A	60Ka-01	40 CFR Part 60, Subpart Ka	No changing attributes.
OC6L8ST916	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8T070	Volatile Organic Compound Water Separators	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF, Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE, Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER
OC6L8T070	Volatile Organic Compound Water Separators	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = FLARE
OC6L8T170	Volatile Organic Compound Water Separators	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF, Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE, Control Device Type/Operation = THERMAL VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER
OC6L8T170	Volatile Organic Compound Water Separators	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = FLARE
OC6L8V1005	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
OC6L8V1020	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8V1020	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
OC6L8V1905	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
OC6L8V1905	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
OC6L8V280	Storage Tanks/Vessels	N/A	61FF-01	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation., Control Device Type/Operation = Thermal vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent
OC6L8V280	Storage Tanks/Vessels	N/A	61FF-02	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare
PROL7FF	Treatment Process	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
PROL8FF	Treatment Process	N/A	61FF-01	40 CFR Part 61, Subpart FF	No changing attributes.
PROSDO	Cleaning/Depainting Operation	N/A	R5460-01	30 TAC Chapter 115, Subchapter E, Division 6	Compliance Demonstration = Limiting VOC content of the cleaning solution to 0.42 lb VOC/gal of solution, as applied.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PROSDO	Cleaning/Depainting Operation	N/A	R5460-02	30 TAC Chapter 115, Subchapter E, Division 6	Compliance Demonstration = Limiting the composite partial vapor pressure of the cleaning solution to 8.0 millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit).

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
A25SILRT25	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(3)(B) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	As an alternative to §115.212(a)(1), loading operations may elect to achieve a 90% overall control of emissions at the account when loading VOC with true vapor pressure greater than 0.5 psia, but less than 11.0 psia, provided that the conditions specified in §115.213(b)(1)-(6) are met.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)
A25SISTT25	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
B4SILRD500	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(3)(B) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	As an alternative to §115.212(a)(1), loading operations may elect to achieve a 90% overall control of emissions at the account when loading VOC with true vapor pressure greater than 0.5 psia, but less than 11.0 psia, provided that the conditions specified in §115.213(b)(1)-(6) are met.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B4SISTD500	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All agitators that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.786(a)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A) § 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B) § 115.786(b)(2)(C) [G]§ 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(a)	Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (g) of this title (relating to Record keeping Requirements).	None	§ 115.786(e) § 115.786(g)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)	Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1)	Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)	Agitators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.358(c)(1) [G]§ 115.358(h) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(2) § 115.782(b)(3) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Components within the process unit or processes listed in §115.780(a) is subject to the requirements of this division. If the owner of operator elects to use the alternative work practice in §115.358 of this title, a leak is defined as specified in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f) § 115.781(b) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(h)(1) § 115.781(h)(2) § 115.781(h)(3) § 115.781(h)(4) § 115.781(h)(5) [G]§ 115.781(h)(6) § 115.782(b)(4) § 115.782(d)(1) § 115.788(h)(1) [G]§ 115.788(h)(2) § 115.788(h)(3)	§ 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(4) § 115.356(5) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) [G]§ 115.786(f) § 115.786(g)	[G]§ 115.358(g) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)



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B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All compressors that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.783(4)(A)(i) § 115.783(4)(A)(ii) § 115.783(4)(A)(ii)(I) § 115.783(4)(A)(ii)(II) § 115.783(4)(B) § 115.783(4)(B)(i) § 115.783(4)(B)(ii)	Process drains within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(5) § 115.781(b)(6) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(8) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	No component shall be allowed to have a VOC leak, for more than 15 days, after discovery. If the owner or operator elects to use the alternative work practice in §115.358 of this title, any leak detected as defined in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
B56L7FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

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B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)



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B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-3 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for compressors. §61.242-3(a)-(i)	[G]§ 61.242-3 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
B56L7FU01	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
B60L7F1	EU	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

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B60L7F1	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)
B60L7F1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

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B60L7F1	EP	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2455(a)-Table 1.1.a.ii § 63.11(b) § 63.2450(b) § 63.2455(a) § 63.2455(b) § 63.2455(b)(1) § 63.982(b) § 63.983(a)(1) § 63.983(a)(2) § 63.983(a)(3) § 63.983(a)(3)(ii) § 63.983(d)(1) § 63.983(d)(1)(i) [G]§ 63.983(d)(2) § 63.983(d)(3) § 63.987(a) § 63.987(b)(1) § 63.987(b)(3) [G]§ 63.997(c)(1) § 63.997(c)(3)	For each Group 1 continuous process vent, the owner or operator must reduce emissions of total organic HAP by venting emissions through a closed vent system to a flare.	[G]§ 63.115(d)(2)(v) § 63.115(d)(3)(iii) § 63.983(a)(3) § 63.983(a)(3)(ii) § 63.983(b) [G]§ 63.983(b)(1) [G]§ 63.983(b)(2) [G]§ 63.983(b)(3) [G]§ 63.983(b)(4) [G]§ 63.983(c)(1) § 63.983(c)(2) § 63.983(c)(3) § 63.983(d)(1) § 63.983(d)(1)(ii) [G]§ 63.987(b)(3)(i) § 63.987(b)(3)(ii) § 63.987(b)(3)(iii) § 63.987(b)(3)(iv) § 63.987(c) § 63.997(a) [G]§ 63.997(c)(1) § 63.997(c)(2) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii)	§ 63.2450(f)(2) § 63.2450(f)(2)(i) § 63.2450(f)(2)(ii) § 63.983(a)(3)(ii) § 63.983(b) [G]§ 63.983(d)(2) § 63.987(b)(1) § 63.987(c) § 63.998(a)(1) [G]§ 63.998(a)(1)(i) § 63.998(a)(1)(ii) § 63.998(a)(1)(iii)(A) § 63.998(a)(1)(iii)(B) [G]§ 63.998(b)(1) [G]§ 63.998(b)(2) [G]§ 63.998(b)(3) [G]§ 63.998(b)(5) [G]§ 63.998(d)(1) § 63.998(d)(3)(i) § 63.998(d)(3)(ii) § 63.998(d)(5)	§ 63.2450(f)(2)(ii) § 63.2450(q) § 63.987(b)(1) § 63.997(c)(3) § 63.998(a)(1)(iii)(A) [G]§ 63.998(b)(3) [G]§ 63.999(a)(1) [G]§ 63.999(a)(2) § 63.999(b)(5) § 63.999(c)(1) § 63.999(c)(2)(i) § 63.999(c)(2)(iii) § 63.999(c)(3) § 63.999(c)(6) [G]§ 63.999(c)(6)(i) § 63.999(c)(6)(iv) [G]§ 63.999(d)(1) [G]§ 63.999(d)(2)
B60L7FU1	EU	63YY-01	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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B72L7CT1	EU	R5760-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(6) § 115.764(a)(1) § 115.766(i)	All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3).	§ 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c)	§ 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) § 115.766(i)(1)	§ 115.766(i)(2)
B72L7CT1	EU	R5760-02	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(6) § 115.764(e)(2) § 115.766(i)	All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3).	§ 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) § 115.764(e)(2)	§ 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(f) § 115.766(i)(1)	§ 115.766(i)(2)
B72L7D103	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

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B72L7D18	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
B72L7D18A	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
B72L7D18C	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
B72L7D19	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None

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B72L7D2	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
B72L7D202	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) [G]§ 61.349(a)(2)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(H) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(12) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D203B	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D204A	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D204B	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D204C	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D27	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D28	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) [G]§ 61.349(a)(2)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(H) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(12) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D4	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
B72L7D450	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
B72L7D450	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D452	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D453	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D511	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
B72L7D530A	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) [G]§ 61.349(a)(2)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(H) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(12) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D6	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D63	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) [G]§ 61.349(a)(2)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(H) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(12) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D6A	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D7	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7D77	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
B72L7D80	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
B72L7D81	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7DF1	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
B72L7DF2	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
B72L7F2	EU	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None



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B72L7F2	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(b)(2) § 115.727(b)	The flare is exempt from the continuous monitoring requirements of § 115.725(d)-(k) of this title (relating to Monitoring and Testing Requirements) and § 115.726(d) of this title (relating to Recordkeeping and Recording Requirements) and is therefore not required to submit a quality assurance plan under § 115.726(a) of this title.	None	§ 115.726(e)(2) § 115.726(j)(2)	None
B72L7F2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.786(a)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A) § 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B) § 115.786(b)(2)(C) [G]§ 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.783(4)(A)(i) § 115.783(4)(A)(ii) § 115.783(4)(A)(ii)(I) § 115.783(4)(A)(ii)(II) § 115.783(4)(B) § 115.783(4)(B)(i) § 115.783(4)(B)(ii)	Process drains within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(5) § 115.781(b)(6) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

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B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)	Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1)	Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)	Agitators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.358(c)(1) [G]§ 115.358(h) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(2) § 115.782(b)(3) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Components within the process unit or processes listed in §115.780(a) is subject to the requirements of this division. If the owner of operator elects to use the alternative work practice in §115.358 of this title, a leak is defined as specified in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f) § 115.781(b) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(h)(1) § 115.781(h)(2) § 115.781(h)(3) § 115.781(h)(4) § 115.781(h)(5) [G]§ 115.781(h)(6) § 115.782(b)(4) § 115.782(d)(1) § 115.788(h)(1) [G]§ 115.788(h)(2) § 115.788(h)(3)	§ 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(4) § 115.356(5) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) [G]§ 115.786(f) § 115.786(g)	[G]§ 115.358(g) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All agitators that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All compressors that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(a)	Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (g) of this title (relating to Record keeping Requirements).	None	§ 115.786(e) § 115.786(g)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(iii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(8) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	No component shall be allowed to have a VOC leak, for more than 15 days, after discovery. If the owner or operator elects to use the alternative work practice in §115.358 of this title, any leak detected as defined in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
B72L7FU1	EU	63YY-01	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7GE01	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D) [G]§ 117.310(f)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	§ 117.8140(a) § 117.8140(a)(3)	§ 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
B72L7GE01	EU	63ZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7GE02	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	[G]§ 117.303(a)(11) [G]§ 117.310(f)	Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B)	None	§ 117.340(j) § 117.345(f) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6)	None
B72L7GE02	EU	60III-01	CO	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7GE02	EU	60IIII-01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later, must comply with an NMHC+NO <sub>x</sub> emission limit of 4.7 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	None
B72L7GE02	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.40 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7GE02	EU	60IIII-01	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7GE02	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
B72L7LR1	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(2) § 115.212(a)(3)(B) § 115.212(a)(3)(D) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(iii)	General loading - 90% overall control option in the covered non-attainment counties. As an alternative operations may elect to achieve a 90% overall control of emissions at the account.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7LR1	EU	R5211-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
B72L7S206	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) [G]§ 61.349(a)(2)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(H) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(12) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(J)
B72L7SC02	EU	R5412-01	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(E) [G]§ 115.412(1)(F)	No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F), except as exempted in §115.411.	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
B72L7SP203	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
BM54SILR30	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(3)(B) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	As an alternative to §115.212(a)(1), loading operations may elect to achieve a 90% overall control of emissions at the account when loading VOC with true vapor pressure greater than 0.5 psia, but less than 11.0 psia, provided that the conditions specified in §115.213(b)(1)-(6) are met.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)
BM54SIST30	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
BSRHSBH	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSR617	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
BSRSRF200	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
BSRSRF200	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BSRSRF402	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRF402	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)
BSRSRF402	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRF402	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None
BSRSRFMNF	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
BSRSRFMNF	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFMNF	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BSRSRFMW1	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFMW1	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)
BSRSRFMW1	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFUBR K	EU	R5780-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
BSRSRFUBR K	EU	61J-ALL	Benzene	40 CFR Part 61, Subpart J	§ 61.112(a) § 61.112(b)	Each owner or operator subject to this subpart shall comply with the requirements of 40 CFR 61, Subpart V - National Emission Standard for Equipment Leaks (Fugitive Emission Sources).	None	None	None
BSRSRFUBR K	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for flanges and other connectors. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFUBR K	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
BSRSRFUBR K	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
BSRSRFUBR K	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
BSRSRFUBR K	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
BSRSRFUBR K	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFUBRK	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
BSRSRFUBRK	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-3 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for compressors. §61.242-3(a)-(i)	[G]§ 61.242-3 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
BSRSRFUBRK	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
BSRSRFUBRK	EU	61V-ALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFUDOW	EU	R5780-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRFUST V	EU	R5780-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRGE14	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B)	CO emissions must not exceed 3.0 g/hp-hr for stationary internal combustion engines.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(h) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) [G]§ 117.345(e) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRGE14	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(9)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(h) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.345(f)(3)(B) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) [G]§ 117.345(e) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRGE14	EU	63ZZZ-01	Formaldehyde	40 CFR Part 63, Subpart ZZZZ	§ 63.6600(a)-Table1a.1.b § 63.6595(c) § 63.6600(a)-Table1b.1.a § 63.6600(a)-Table1b.1.b § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6630(b) § 63.6640(b)	For each 4SRB stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, except during periods of startup, operating at 100% load plus or minus 10%, you must limit the concentration of formaldehyde in the stationary RICE exhaust to 350 ppbvd or less at 15 % O <sub>2</sub> .	§ 63.6610(a) § 63.6610(b) § 63.6610(c) § 63.6615 § 63.6620(a) § 63.6620(a)-Table3.3 § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.iv § 63.6620(b) § 63.6620(b)(1) § 63.6620(d) [G]§ 63.6620(e)(2) [G]§ 63.6625(b) § 63.6630(a)-Table5.9.a.i § 63.6630(a)-Table5.9.a.ii § 63.6630(a)-Table5.9.a.iii § 63.6635(a) § 63.6635(b) § 63.6640(a) § 63.6640(a)-Table6.7.a.i § 63.6640(a)-Table6.7.a.ii § 63.6640(a)-Table6.7.a.iii § 63.6640(a)-Table6.7.a.iv § 63.6640(a)-Table6.7.a.v § 63.6640(b)	§ 63.6620(i) § 63.6630(a)-Table5.9.a.iii § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) [G]§ 63.6655(b) § 63.6655(d) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6645(h)(2) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) [G]§ 63.6650(c) [G]§ 63.6650(e) § 63.6650(f)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRGE55 A	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	§ 117.8140(a) § 117.8140(a)(3)	§ 117.340(j) [G]§ 117.345(f)(6)	None
BSRSRGE55 A	EU	63ZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(j) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRH575	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
BSRSRH575	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRH575	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.2 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(11) § 63.7540(a)(13)	A new or existing boiler or process heater with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour, in a unit designed to burn gas 1 must conduct a tune-up of the boiler or process heater biennially as specified in § 63.7540.	§ 63.7510(g) § 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
BSRSRH628	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	For a new or existing boiler or process heater with a heat input capacity of less than or equal to 5 million Btu per hour designed to burn gas 1, a tune-up of the boiler or process heater must be conducted every 5 years as specified in § 63.7540.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7540(b) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRHDHT	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
BSRSRHDHT	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRHDHT	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	For a new or existing boiler or process heater with a heat input capacity of less than or equal to 5 million Btu per hour designed to burn gas 1, a tune-up of the boiler or process heater must be conducted every 5 years as specified in § 63.7540.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7540(b) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
BSRSRHET1	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRHET1	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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BSRSRHET1	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
BSRSRHET2	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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BSRSRHET2	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRHET2	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
BSRSRLR615	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(3)(B) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	General loading - 90% overall control option in the covered non-attainment counties. As an alternative operations may elect to achieve a 90% overall control of emissions at the account.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)
BSRSROE1	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSROE1	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)
BSRSROE1	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRPLHC 1	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
BSRSRPLHC 2	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None
BSRSRS401	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(3) § 115.131(a)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(a) of this title.	[G]§ 115.135(a) § 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	None
BSRSRSC01	EU	R5412-01	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) § 115.411(2) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F)	No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F), except as exempted in §115.411.	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRSC301	EU	R5412-01	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) § 115.411(2) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F)	No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F), except as exempted in §115.411.	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
BSRSRSP626	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(3) § 115.131(a)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(a) of this title.	[G]§ 115.135(a) § 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	None
BSRSRST615	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRST615	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
BSRSRST616	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
BSRSRST616	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BSRSRTL1	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(3)(B) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	General loading - 90% overall control option in the covered non-attainment counties. As an alternative operations may elect to achieve a 90% overall control of emissions at the account.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)
BSRSRTL1	EU	R5211-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
BSRSRVSTV	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP1L8PF	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(f) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) § 115.725(n) [G]§ 115.726(a)(2)	All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules).	§ 115.725(a) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	[G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2)
GRP1L8PF	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(B)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP1L8PF	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP1L8PF	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP2L8PF	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(f) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) § 115.725(n) [G]§ 115.726(a)(2)	All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules).	§ 115.725(a) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	[G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2)
GRP2L8PF	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(B)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP2L8PF	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP2L8PF	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP2L8PF	EP	60RRR-01	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.700(c)(5)	Vent streams routed to distillation units subject to subpart NNN with no other air releases except for a pressure relief valve, are exempt from all provisions of this subpart except for §60.705(r).	None	None	§ 60.705(r)
GRPL7PF	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(f) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) [G]§ 115.725(a)(4) § 115.725(a)(7) § 115.725(a)(7)(C) [G]§ 115.725(l) § 115.725(n) [G]§ 115.726(a)(2)	All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules).	§ 115.725(a) § 115.725(a)(2)(A) § 115.725(a)(2)(B) § 115.725(a)(2)(C) § 115.725(a)(2)(D) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(a)(7)(C)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	[G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(n) [G]§ 115.726(a)(2)
GRPL7PF	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(B)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None

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GRPL7PF	EU	R7ICI-01	CO	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1)	CO emissions must not exceed 400 ppmv at 3.0% O <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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GRPL7PF	EU	R7ICI-01	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(B) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPL7PF	EP	60RRR-01	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.702(a) [G]§ 60.704(b)(5)	For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified.	§ 60.703(c) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4)	§ 60.703(c)(1) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(1) § 60.705(s)	§ 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(s)
GRPL7PF	EP	60RRR-02	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.702(a) [G]§ 60.704(b)(5)	For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified.	§ 60.703(c) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4)	§ 60.703(c)(1) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(1) § 60.705(s)	§ 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(s)
GRPL7PF	EP	60RRR-03	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.702(a) [G]§ 60.704(b)(5)	For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified.	§ 60.703(c) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4)	§ 60.703(c)(1) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(1) § 60.705(s)	§ 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(s)



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GRPL7PF	EP	60RRR-04	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.702(a) [G]§ 60.704(b)(5)	For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified.	§ 60.703(c) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4)	§ 60.703(c)(1) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(1) § 60.705(s)	§ 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(s)
GRPL7PF	EP	60RRR-05	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.702(a) [G]§ 60.704(b)(5)	For each vent stream, reduce TOC by 98%w or to a TOC concentration of 20 ppmv, on a dry basis corrected to 3% oxygen, whichever is less stringent. If a boiler or process heater is used, introduce vent stream as specified.	§ 60.703(c) § 60.703(c)(1) § 60.703(c)(1)(i) § 60.704(a) § 60.704(b) § 60.704(b)(1) § 60.704(b)(2) § 60.704(b)(3) [G]§ 60.704(b)(4)	§ 60.703(c)(1) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(d)(1) § 60.705(s)	§ 60.705(a) § 60.705(b) § 60.705(b)(2)(i) § 60.705(c) § 60.705(c)(4) § 60.705(k) § 60.705(l) § 60.705(l)(1) § 60.705(l)(2) § 60.705(s)
GRPL8DIST	EP	60NNN-01	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(c) § 60.663(c)(1) § 60.663(d) § 60.664(c)	§ 60.663(c)(1) § 60.663(d) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(d) § 60.665(e)	§ 60.665(a) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2) § 60.665(l)(3)

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GRPL8DIST	EP	60NNN-02	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(c) § 60.663(c)(1) § 60.663(d) § 60.664(c)	§ 60.663(c)(1) § 60.663(d) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(c)(4) § 60.665(d) § 60.665(e)	§ 60.665(a) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2) § 60.665(l)(3)
GRPL8DIST	EP	60NNN-03	VOC/TOC	40 CFR Part 60, Subpart NNN	§ 60.662(a)	Affected facilities shall reduce TOC emissions by 98 weight-percent or to a concentration of 20ppmv, whichever is less stringent. Introduce the stream into the flame zone of a boiler/process heater.	§ 60.663(c) § 60.663(c)(1) § 60.663(d) § 60.664(c)	§ 60.663(c)(1) § 60.663(d) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(c)(4) § 60.665(d) § 60.665(e)	§ 60.665(a) § 60.665(b) § 60.665(b)(2) § 60.665(b)(2)(i) § 60.665(c) § 60.665(c)(4) § 60.665(k) § 60.665(l) § 60.665(l)(1) § 60.665(l)(2) § 60.665(l)(3)
OC2L8GF500	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

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OC2L8GF500	EP	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)
OC2L8GF500	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6FL066A	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6FL066A	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6FL066B	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6FL066B	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6FL166A	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6FL166A	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6FL166B	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6FL166B	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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OC6L8CT800	EU	R5760-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(6) § 115.764(e)(2) § 115.766(i)	All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3).	§ 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) § 115.764(e)(2)	§ 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(f) § 115.766(i)(1)	§ 115.766(i)(2)
OC6L8D069	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None



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OC6L8D069	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
OC6L8D069	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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OC6L8D1015	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8D1015	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D1080	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8D1080	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D1081	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8D1081	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D1180	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8D1180	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D1181	EU	R5140-01	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
OC6L8D1181	EU	R5140-02	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148 § 60.18(b)	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(E) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D1181	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
OC6L8D1181	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D1540	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
OC6L8D169	EU	R5140-01	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
OC6L8D169	EU	R5140-02	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148 § 60.18(b)	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(E) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D169	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
OC6L8D169	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D230	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
OC6L8D27	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D280	EU	R5140-01	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
OC6L8D280	EU	R5140-02	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) [G]§ 115.142(1)(H) [G]§ 115.148 § 60.18(b)	The wastewater component shall meet the specified control requirements.	[G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(E) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148	[G]§ 115.142(1)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
OC6L8D301	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D433	EU	R5131-01	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
OC6L8D906	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D91	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
OC6L8D91	EU	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D97	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
OC6L8D97	EU	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8D97	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
OC6L8F1	EU	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
OC6L8F1	EU	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8F1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
OC6L8F1018	EU	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
OC6L8F1018	EU	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l)	All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare.	[G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) [G]§ 115.725(l) § 115.725(n)	§ 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) § 115.726(a)(1)(B)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8F1018	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
OC6L8F902	EU	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
OC6L8F902	EU	R5720-01	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(d)	Any flare that at no time receives a total gas stream with greater than 100 ppmv HRVOC is exempt from the requirements of this division, with the exception of the recordkeeping requirements of §115.726(e)(3)(B) of this title.	None	§ 115.726(e)(3)(B) § 115.726(j)(2)	None
OC6L8F902	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None

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OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)	Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1)	Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b)	Agitators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.358(c)(1) [G]§ 115.358(h) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(2) § 115.782(b)(3) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Components within the process unit or processes listed in §115.780(a) is subject to the requirements of this division. If the owner of operator elects to use the alternative work practice in §115.358 of this title, a leak is defined as specified in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f) § 115.781(b) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(h)(1) § 115.781(h)(2) § 115.781(h)(3) § 115.781(h)(4) § 115.781(h)(5) [G]§ 115.781(h)(6) § 115.782(b)(4) § 115.782(d)(1) § 115.788(h)(1) [G]§ 115.788(h)(2) § 115.788(h)(3)	§ 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(4) § 115.356(5) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) [G]§ 115.786(f) § 115.786(g)	[G]§ 115.358(g) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All compressors that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g)	All agitators that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection.	§ 115.782(d)(2)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.786(a)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A) § 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B) § 115.786(b)(2)(C) [G]§ 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.787(a)	Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (g) of this title (relating to Record keeping Requirements).	None	§ 115.786(e) § 115.786(g)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.783(4)(A)(i) § 115.783(4)(A)(ii) § 115.783(4)(A)(ii)(I) § 115.783(4)(A)(ii)(II) § 115.783(4)(B) § 115.783(4)(B)(i) § 115.783(4)(B)(ii)	Process drains within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(5) § 115.781(b)(6) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5780-ALL	Highly Reactive VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2)	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g)	[G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None



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OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(8) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	No component shall be allowed to have a VOC leak, for more than 15 days, after discovery. If the owner or operator elects to use the alternative work practice in §115.358 of this title, any leak detected as defined in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

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OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU01	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU01	EU	63YY-01	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(12) § 115.357(8)	No agitators shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(iii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(8) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	No component shall be allowed to have a VOC leak, for more than 15 days, after discovery. If the owner or operator elects to use the alternative work practice in §115.358 of this title, any leak detected as defined in §115.358 of this title, including any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8FU11	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
OC6L8FU11	EU	63YY-01	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8GE03	EU	R7ICI-01	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.303(a)(6)(D)	Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average.	§ 117.8140(a) § 117.8140(a)(3)	§ 117.340(j) [G]§ 117.345(f)(6)	None
OC6L8GE03	EU	63ZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8LR1	EU	R5211-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.213(b) § 115.212(a)(2) § 115.212(a)(3)(B) § 115.212(a)(3)(D) § 115.212(a)(3)(E) § 115.213(b)(1) § 115.213(b)(4) [G]§ 115.213(b)(6) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(ii)	General loading - 90% overall control option in the covered non-attainment counties. As an alternative operations may elect to achieve a 90% overall control of emissions at the account.	§ 115.212(a)(3)(B) § 115.213(b) § 115.213(b)(1) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9)	§ 115.213(b)(1) § 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	§ 115.213(b)(1) § 115.213(b)(2) § 115.213(b)(3) § 115.213(b)(4)
OC6L8LR1	EU	R5211-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
OC6L8R44A	EP	60RRR-01	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.700(c)(5)	Vent streams routed to distillation units subject to subpart NNN with no other air releases except for a pressure relief valve, are exempt from all provisions of this subpart except for §60.705(r).	None	None	§ 60.705(r)
OC6L8R44B	EP	60RRR-01	VOC/TOC	40 CFR Part 60, Subpart RRR	§ 60.700(c)(5)	Vent streams routed to distillation units subject to subpart NNN with no other air releases except for a pressure relief valve, are exempt from all provisions of this subpart except for §60.705(r).	None	None	§ 60.705(r)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8RX1	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
OC6L8RX1	EP	R5121-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
OC6L8RX2	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(B)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8RX2	EP	R5121-02	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
OC6L8RX3	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
OC6L8RX4	EP	R5121-01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8S068	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8S068	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8S168	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8S168	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8SC01	EU	R5412-01	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) § 115.412(1)(E) [G]§ 115.412(1)(F)	No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F), except as exempted in §115.411.	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
OC6L8ST01A	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8ST01B	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
OC6L8ST505	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8ST901	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
OC6L8ST901	EU	60Ka-01	VOC	40 CFR Part 60, Subpart Ka	§ 60.112a(a)(1) § 60.112a(a)(1)(i) § 60.112a(a)(1)(i)(A) § 60.112a(a)(1)(i)(C) § 60.112a(a)(1)(i)(D) § 60.112a(a)(1)(ii)(A) § 60.112a(a)(1)(ii)(B) § 60.112a(a)(1)(ii)(C) § 60.112a(a)(1)(ii)(D) § 60.112a(a)(1)(iii) § 60.112a(a)(1)(iv)	Vessels storing petroleum liquids with a TVP > 10.3 kPa (1.5 psia) but < 76.6 kPa (11.1 psia) shall be equipped with an external floating roof and closure device as specified.	§ 60.113a(a)(1) § 60.113a(a)(1)(i) § 60.113a(a)(1)(i)(A) § 60.113a(a)(1)(i)(B) § 60.113a(a)(1)(i)(C) § 60.113a(a)(1)(i)(D) § 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(ii)(A) § 60.113a(a)(1)(ii)(B) § 60.113a(a)(1)(ii)(C) § 60.113a(a)(1)(iii) § 60.113a(a)(1)(iv) § 60.115a(a) § 60.115a(b)	§ 60.113a(a)(1)(i)(D) § 60.115a(a)	§ 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(iv)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8ST916	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
OC6L8T070	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8T070	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
OC6L8T170	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8T170	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
OC6L8V1005	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(6)(A) § 115.118(a)(7)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8V1020	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(2) § 61.343(d) § 61.343(e)(1) § 61.343(e)(2) § 61.343(e)(3) § 61.343(e)(4) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator must install, operate, and maintain an enclosure and closed-vent system that routes all organic vapors vented from the tank, located inside the enclosure, to a control device in accordance with the requirements specified in paragraph (e) of this section.	§ 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(4) § 61.356(n) § 61.356(n)(1) § 61.356(n)(2)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
OC6L8V1020	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(2) § 60.18 § 61.343(d) § 61.343(e)(1) § 61.343(e)(2) § 61.343(e)(3) § 61.343(e)(4) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator must install, operate, and maintain an enclosure and closed-vent system that routes all organic vapors vented from the tank, located inside the enclosure, to a control device in accordance with the requirements specified in paragraph (e) of this section.	§ 60.18(f)(2) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7) § 61.356(n) § 61.356(n)(1) § 61.356(n)(2)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8V1905	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
OC6L8V1905	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
OC6L8V280	EU	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(2) § 61.354(f)(1) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(2) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(5)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(B)
OC6L8V280	EU	61FF-02	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROL7FF	PRO	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(ii) § 61.348(a)(2) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.354(a)(2) § 61.355(e) § 61.355(e)(1) § 61.355(e)(2) § 61.355(e)(3) § 61.355(e)(4)	§ 61.354(a)(2) § 61.355(e)(1) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) [G]§ 61.356(i)	§ 61.357(d)(7) § 61.357(d)(7)(ii)
PROL8FF	PRO	61FF-01	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(ii) § 61.348(a)(2) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.354(a)(2) § 61.355(e) § 61.355(e)(1) § 61.355(e)(2) § 61.355(e)(3) § 61.355(e)(4)	§ 61.354(a)(2) § 61.355(e)(1) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) [G]§ 61.356(i)	§ 61.357(d)(7) § 61.357(d)(7)(ii)
PROSDO	PRO	R5460-01	VOC	30 TAC Chapter 115, Subchapter E, Division 6	§ 115.463(a)(1) [G]§ 115.463(c)	The owner or operator shall limit the volatile organic compounds (VOC) content of cleaning solutions to 0.42 pound of VOC per gallon of solution (lb VOC/gal solution), as applied.	[G]§ 115.465(1)	§ 115.468(b)(1) § 115.468(b)(5)	None
PROSDO	PRO	R5460-02	VOC	30 TAC Chapter 115, Subchapter E, Division 6	§ 115.463(a)(2) [G]§ 115.463(c)	The owner or operator shall limit the composite partial vapor pressure of the cleaning solution to 8.0 millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit).	[G]§ 115.465(1)	§ 115.468(b)(1) § 115.468(b)(5)	None



## **Additional Monitoring Requirements**

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### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: B72L7D2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: A leak is a deviation	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument reading for the background organic concentration level. For a potential leak interface other than a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: B72L7D511	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: A leak is a deviation	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument reading for the background organic concentration level. For a potential leak interface other than a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: B72L7SC02	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Noncompliance with the applicable requirements of § 115.412(1)(A)-(F)	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: B72L7SP203	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: A leak is a deviation	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument reading for the background organic concentration level. For a potential leak interface other than a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRHSBH	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours.	
<p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRH575	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-01
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: CO concentration	
Minimum Frequency: Every 5 Years	
Averaging Period: N/A	
Deviation Limit: Maximum CO concentration = 400 ppm by volume at 3.0% O <sub>2</sub> , dry basis.	
<p>Periodic Monitoring Text: The permit holder must conduct a tune-up of the process heater every 5 years as specified in 40 CFR §63.7540(a)(10)(i)-(vi). The CO and oxygen concentration in the effluent stream shall be measured and recorded. Measurement may be taken using a portable CO analyzer. Any monitoring data where the measured CO concentration exceeds 400 ppm by volume measured at 3.0% O<sub>2</sub> on a dry basis shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRH575	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-01
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel gas usage	
Minimum Frequency: hourly	
Averaging Period: N/A	
Deviation Limit: Maximum annual average fuel gas usage = 6373 SCF/hr.	
Periodic Monitoring Text: Measure fuel gas usage when the heater is in operation. Monitor shall be operated at least 95% of the time when the heater is operational, averaged over a rolling 12-month period. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	



### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRHDHT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-01
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: CO concentration	
Minimum Frequency: Every 5 Years	
Averaging Period: N/A	
Deviation Limit: Maximum CO concentration = 400 ppm by volume at 3.0% O <sub>2</sub> , dry basis.	
<p>Periodic Monitoring Text: The permit holder must conduct a tune-up of the process heater every 5 years as specified in 40 CFR §63.7540(a)(10)(i)-(vi). The CO and oxygen concentration in the effluent stream shall be measured and recorded. Measurement may be taken using a portable CO analyzer. Any monitoring data where the measured CO concentration exceeds 400 ppm by volume measured at 3.0% O<sub>2</sub> on a dry basis shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRHDHT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-01
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: Fuel gas usage	
Minimum Frequency: hourly	
Averaging Period: N/A	
Deviation Limit: Maximum annual average fuel gas usage = 3725 SCF/hr.	
Periodic Monitoring Text: Measure fuel gas usage when the heater is in operation. Monitor shall be operated at least 95% of the time when the heater is operational, averaged over a rolling 12-month period. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRHET1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-01
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: CO concentration	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Maximum CO concentration = 400 ppm by volume at 3.0% O <sub>2</sub> , dry basis.	
<p>Periodic Monitoring Text: The permit holder shall comply with the annual process heater tune-up requirements as specified in 40 CFR §63.7540(a)(10)(i)-(v). The CO and oxygen concentration in the effluent stream shall be measured and recorded. Measurement may be taken using a portable CO analyzer. Any monitoring data where the measured CO concentration exceeds 400 ppm by volume measured at 3.0% O<sub>2</sub> on a dry basis shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRHET2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-01
Pollutant: CO	Main Standard: § 117.310(c)(1)
Monitoring Information	
Indicator: CO concentration	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Maximum CO concentration = 400 ppm by volume at 3.0% O <sub>2</sub> , dry basis.	
<p>Periodic Monitoring Text: The permit holder shall comply with the annual process heater tune-up requirements as specified in 40 CFR §63.7540(a)(10)(i)-(v). The CO and oxygen concentration in the effluent stream shall be measured and recorded. Measurement may be taken using a portable CO analyzer. Any monitoring data where the measured CO concentration exceeds 400 ppm by volume measured at 3.0% O<sub>2</sub> on a dry basis shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRSC01	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC 115.412(1)(A)-(F).	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRSC301	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC 115.412(1)(A)-(F).	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRST615	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Liquid Level	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Liquid level below fill pile level	
Periodic Monitoring Text: Regardless of the location of the fill pipe, the fill pipe must be submerged at all times. Monitor and record the depth of the liquid using an automated/remote sounding device or liquid level sensing alarm/monitor. It shall be considered and reported as a deviation any time the liquid level falls below the fill pipe level.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRST615	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: If the repairs are not completed prior to refilling the storage vessel	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	



### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRST616	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Liquid Level	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Liquid level below fill pile level	
<p>Periodic Monitoring Text: Regardless of the location of the fill pipe, the fill pipe must be submerged at all times. Monitor and record the depth of the liquid using an automated/remote sounding device or liquid level sensing alarm/monitor. It shall be considered and reported as a deviation any time the liquid level falls below the fill pipe level.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: BSRSRST616	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: If the repairs are not completed prior to refilling the storage vessel	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: OC6L8D069	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
<p>Deviation Limit: Potential leak interface other than seal around the shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv</p> <p>Periodic Monitoring Text: The facility will include this unit as part of its fugitive monitoring program already in place. For potential leak interface other than seal around the shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit shall be considered and reported as a deviation as required by 30 TAC 122.145(2)</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: OC6L8D27	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: A leak is a deviation	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument reading for the background organic concentration level. For a potential leak interface other than a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: OC6L8D301	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-01
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC concentration	
Minimum Frequency: Quarterly	
Averaging Period: N/A	
Deviation Limit: A leak is a deviation	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument reading for the background organic concentration level. For a potential leak interface other than a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening the maximum deviation limit shall be 10,000 ppmv. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: OC6L8SC01	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-01
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

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### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B60L7F1	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the provisions of this division
B60L7F1	N/A	40 CFR Part 63, Subpart A	Flare is not required under 40 CFR 63
B60L7FU1	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Not a specified process
B60L7FU1	N/A	40 CFR Part 60, Subpart VV	Facility not constructed or modified after 1/5/81.
B60L7FU1	N/A	40 CFR Part 61, Subpart J	Does not operate in > 10 % benzene service.
B60L7FU1	N/A	40 CFR Part 61, Subpart V	Not in VHAP Service
B60L7FU1	N/A	40 CFR Part 63, Subpart H	Not in OHAP service or Not in OHAP service for 300 or more hours/year.
B72L7CT1	N/A	40 CFR Part 63, Subpart Q	No chromium-based water treatment chemicals on or after September 8 1994
B72L7D103	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D108	N/A	30 TAC Chapter 115, Storage of VOCs	Does not store a VOC
B72L7D108	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
B72L7D108	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
B72L7D108	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D108	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D108	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D108	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).



### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D108	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D18	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
B72L7D18	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
B72L7D18	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D18	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D18	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D18	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D18	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D18A	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
B72L7D18A	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
B72L7D18A	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D18A	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D18A	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D18A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D18A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D18C	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D18C	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D18C	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60 61 or 63
B72L7D19	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
B72L7D19	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
B72L7D19	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D19	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D19	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D19	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D19	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D2	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D2	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D2	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60 61 or 63
B72L7D202	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D202	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D202	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D202	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D202	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D202	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D202	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D203B	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of stationary tank
B72L7D203B	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D203B	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D203B	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D203B	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D203B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D203B	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D204A	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of stationary tank
B72L7D204A	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D204A	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D204A	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D204A	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D204A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D204A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D204B	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D204B	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D204B	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D204B	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D204B	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D204B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D204B	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D204C	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D204C	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D204C	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D204C	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D204C	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D204C	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D204C	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D27	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D27	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D27	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D27	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D27	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D27	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D27	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60,61, or 63 reference this subpart
B72L7D28	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D28	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D28	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D28	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D28	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D28	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D28	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart.
B72L7D450	N/A	40 CFR Part 60, Subpart K	Capacity < 40000 gal

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D450	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40000 gal
B72L7D450	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D450	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D450	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D450	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D452	N/A	30 TAC Chapter 115, Storage of VOCs	Storage capacity is < 1000 gallons
B72L7D452	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gal
B72L7D452	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gal
B72L7D452	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D452	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D452	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D452	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D453	N/A	30 TAC Chapter 115, Storage of VOCs	Storage capacity is < 1000 gallons
B72L7D453	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gal
B72L7D453	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gal
B72L7D453	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D453	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D453	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D453	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D511	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D511	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D511	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60 61 or 63
B72L7D530A	N/A	30 TAC Chapter 115, Storage of VOCs	Storage capacity is < 1000 gallons
B72L7D530A	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gal
B72L7D530A	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gal
B72L7D530A	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D530A	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D530A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D530A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D6	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D6	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D6	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D6	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D6	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D6	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D6	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61 or 63 reference this subpart
B72L7D63	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D63	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D63	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D63	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D63	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D63	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D63	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D6A	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D6A	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D6A	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D6A	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D6A	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene



### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D6A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D6A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D7	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D7	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D7	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D7	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D7	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D7	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D7	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61 or 63 reference this subpart
B72L7D77	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7D77	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7D77	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7D77	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7D77	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7D77	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7D77	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D80	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
B72L7D80	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
B72L7D80	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7D80	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D80	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D80	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D80	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7D81	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
B72L7D81	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
B72L7D81	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 10,600 gallons
B72L7D81	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
B72L7D81	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
B72L7D81	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7D81	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7DF1	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7DF1A	N/A	30 TAC Chapter 115, Storage of VOCs	Storage capacity is < 1000 gallons
B72L7DF1A	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gal
B72L7DF1A	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gal
B72L7DF1A	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
B72L7DF1A	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7DF1A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7DF1A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7DF2	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7DF2B	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7DF2B	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7DF2B	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7DF2B	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7DF2B	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7DF2B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7DF2B	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7F2	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the provisions of this division
B72L7F2	N/A	40 CFR Part 63, Subpart A	Flare is not required under 40 CFR 63
B72L7FU1	N/A	40 CFR Part 60, Subpart VV	The unit is subject to 40 CFR Part 60, Subpart VV and 40 CFR Part 63, Subpart YY (MACT YY) but complies with MACT YY only per 63.1100(g)(4)(i).
B72L7FU1	N/A	40 CFR Part 61, Subpart J	The unit is subject to 40 CFR Part 61, Subpart J and 40 CFR Part 63, Subpart YY (MACT YY) but complies with MACT YY only per 63.1100(g)(4)(i).
B72L7FU1	N/A	40 CFR Part 61, Subpart V	The unit is subject to 40 CFR Part 61, Subpart V and 40 CFR Part 63, Subpart YY (MACT YY) but complies with MACT YY only per 63.1100(g)(4)(i).
B72L7R38	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
B72L7R38	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction or modification after June 29, 1990.
B72L7R60A	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
B72L7R60A	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modifications after June 29,1990
B72L7R60B	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
B72L7R60B	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modifications after June 29,1990
B72L7R60C	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
B72L7R60C	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modifications after June 29,1990

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7S206	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
B72L7S206	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
B72L7S206	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
B72L7S206	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
B72L7S206	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
B72L7S206	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7S206	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7SC02	N/A	40 CFR Part 63, Subpart T	Solvent contains < 5% by wt listed halogenated chemicals
B72L7SP203	N/A	40 CFR Part 61, Subpart FF	Waste management unit, treatment process, or wastewater treatment system that is routed to a fuel gas system.
B72L7SP203	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
B72L7SP203	N/A	40 CFR Part 63, Subpart VV	No applicable subparts within 60, 61, or 63 reference this subpart
B72L7T101	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T51	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T52	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T53A	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
B72L7T53B	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T54A	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T54B	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T71	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
B72L7T72	N/A	40 CFR Part 60, Subpart NNN	Constructed before 12/30/83
BSRSR617	N/A	40 CFR Part 60, Subpart K	Storage vessel capacity is less than 40,000 gallons.
BSRSR617	N/A	40 CFR Part 60, Subpart Ka	Storage vessel capacity is less than 40,000 gallons.
BSRSR617	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
BSRSR617	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSR617	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSR617	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
BSRSR617	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
BSRSRD404	N/A	40 CFR Part 61, Subpart J	This is not a benzene producing facility.
BSRSRF200	N/A	40 CFR Part 60, Subpart A	The flare does not control emissions from sources subject to 40 CFR Parts 60 or 61.
BSRSRF200	N/A	40 CFR Part 63, Subpart A	The flare is not required by a subpart under 40 CFR Part 63.
BSRSRF402	N/A	40 CFR Part 63, Subpart A	The flare is not required by a subpart under 40 CFR Part 63.

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BSRSRFMNF	N/A	40 CFR Part 60, Subpart A	The flare does not control emissions from sources subject to 40 CFR Parts 60 or 61.
BSRSRFMNF	N/A	40 CFR Part 63, Subpart A	The flare is not required by a subpart under 40 CFR Part 63.
BSRSRFMW1	N/A	40 CFR Part 60, Subpart A	The flare does not control emissions from sources subject to 40 CFR Parts 60 or 61.
BSRSRFMW1	N/A	40 CFR Part 63, Subpart A	The flare is not required by a subpart under 40 CFR Part 63.
BSRSRFUBRK	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site does not contain a synthetic organic chemical manufacturing process, or natural gas/gasoline processing, or a petroleum refinery.
BSRSRFUDOW	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site does not contain a synthetic organic chemical manufacturing process, or natural gas/gasoline processing, or a petroleum refinery.
BSRSRFUDOW	N/A	40 CFR Part 61, Subpart J	The source does not operate in benzene service.
BSRSRFUDOW	N/A	40 CFR Part 61, Subpart V	The source does not operate in volatile hazardous air pollutants (VHAP) service.
BSRSRFUSTV	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	The site does not contain a synthetic organic chemical manufacturing process, or natural gas/gasoline processing, or a petroleum refinery.
BSRSRFUSTV	N/A	40 CFR Part 61, Subpart J	The source does not operate in benzene service.
BSRSRFUSTV	N/A	40 CFR Part 61, Subpart V	The source does not operate in volatile hazardous air pollutants (VHAP) service.
BSRSRH575	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is neither a solid fossil fuel-fired steam generator nor a liquid fossil fuel-fired steam generator, furnace or heater.

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BSRSRH628	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is neither a solid fossil fuel-fired steam generator nor a liquid fossil fuel-fired steam generator, furnace or heater.
BSRSRH628	N/A	30 TAC Chapter 117, Commercial	The maximum rated capacity of the boiler is less than 2.0 MMBtu/hr.
BSRSRH628	N/A	40 CFR Part 60, Subpart D	The heat input rate of the unit is less than 250 MMBtu/hr.
BSRSRH628	N/A	40 CFR Part 60, Subpart Da	This is not an electric utility steam generating unit.
BSRSRH628	N/A	40 CFR Part 60, Subpart Db	The heat input capacity of the unit is less than 100 MMBtu/hr.
BSRSRH628	N/A	40 CFR Part 60, Subpart Dc	The maximum design heat input capacity of the unit is less than 10 MMBtu/hr.
BSRSRHDHT	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is neither a solid fossil fuel-fired steam generator nor a liquid fossil fuel-fired steam generator, furnace or heater.
BSRSRHET1	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is neither a solid fossil fuel-fired steam generator nor a liquid fossil fuel-fired steam generator, furnace or heater.
BSRSRHET2	N/A	30 TAC Chapter 112, Sulfur Compounds	The unit is neither a solid fossil fuel-fired steam generator nor a liquid fossil fuel-fired steam generator, furnace or heater.
BSRSROE1	N/A	40 CFR Part 60, Subpart A	The flare does not control emissions from sources subject to 40 CFR Parts 60, 61 or 63.
BSRSROE1	N/A	40 CFR Part 63, Subpart A	The flare is not required by a subpart under 40 CFR Part 63.
BSRSRPLHC1	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids



### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BSRSRPLHC1	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
BSRSRPLHC1	N/A	40 CFR Part 60, Subpart Kb	The vessel has a capacity greater than 39,900 gallons and stores a VOL with a maximum true vapor pressure less than 0.5 psia.
BSRSRPLHC1	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRPLHC1	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSRPLHC1	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
BSRSRPLHC2	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
BSRSRPLHC2	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
BSRSRPLHC2	N/A	40 CFR Part 60, Subpart Kb	The vessel has a capacity greater than 39,900 gallons and stores a VOL with a maximum true vapor pressure less than 0.5 psia.
BSRSRPLHC2	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRPLHC2	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSRPLHC2	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
BSRSRS401	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRS401	N/A	40 CFR Part 61, Subpart J	This is not a benzene producing facility.
BSRSRS401	N/A	40 CFR Part 61, Subpart V	The source does not operate in volatile hazardous air pollutants (VHAP) service.
BSRSRS401	N/A	40 CFR Part 63, Subpart VV	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart VV.

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BSRSRSC01	N/A	40 CFR Part 63, Subpart T	The solvent cleaning machine uses halogenated HAP solvents, in a total concentration less than 5 percent by weight, as a cleaning and/or drying agent.
BSRSRSC301	N/A	40 CFR Part 63, Subpart T	The solvent cleaning machine uses halogenated HAP solvents, in a total concentration less than 5 percent by weight, as a cleaning and/or drying agent.
BSRSRST202	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank capacity is less than 25,000 gallons and only in motor vehicle fuel dispensing service.
BSRSRST202	N/A	40 CFR Part 60, Subpart K	Storage vessel capacity is less than 40,000 gallons.
BSRSRST202	N/A	40 CFR Part 60, Subpart Ka	Storage vessel capacity is less than 40,000 gallons.
BSRSRST202	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
BSRSRST202	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRST202	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSRST202	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
BSRSRST615	N/A	40 CFR Part 60, Subpart K	Storage vessel capacity is less than 40,000 gallons.
BSRSRST615	N/A	40 CFR Part 60, Subpart Ka	Storage vessel capacity is less than 40,000 gallons.
BSRSRST615	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
BSRSRST615	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRST615	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSRST615	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
BSRSRST616	N/A	40 CFR Part 60, Subpart K	Storage vessel capacity is less than 40,000 gallons.

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BSRSRST616	N/A	40 CFR Part 60, Subpart Ka	Storage vessel capacity is less than 40,000 gallons.
BSRSRST616	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
BSRSRST616	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRST616	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSRST616	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
BSRSRVSTV	N/A	40 CFR Part 60, Subpart K	Storage vessel capacity is less than 40,000 gallons.
BSRSRVSTV	N/A	40 CFR Part 60, Subpart Ka	Storage vessel capacity is less than 40,000 gallons.
BSRSRVSTV	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 19,800 gallons.
BSRSRVSTV	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
BSRSRVSTV	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
BSRSRVSTV	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
GRP1L8PF	OC6L8H1, OC6L8H2, OC6L8H3, OC6L8H4, OC6L8H5, OC6L8H6, OC6L8H7	30 TAC Chapter 112, Sulfur Compounds	Not a solid fossil fuel-fired steam generator and not a liquid fuel-fired steam generator, furnace or heater
GRP1L8PF	OC6L8H1, OC6L8H2, OC6L8H3, OC6L8H4, OC6L8H5, OC6L8H6, OC6L8H7	40 CFR Part 60, Subpart III	Not an air oxidation reactor
GRP1L8PF	OC6L8H1, OC6L8H2, OC6L8H3, OC6L8H4, OC6L8H5, OC6L8H6, OC6L8H7	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modification after June 29, 1990

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRP2L8PF	OC6L8H10, OC6L8H8, OC6L8H9	30 TAC Chapter 112, Sulfur Compounds	Not a solid fossil fuel-fired steam generator and not a liquid fuel-fired steam generator, furnace, or heater.
GRP2L8PF	OC6L8H10, OC6L8H8, OC6L8H9	30 TAC Chapter 117, Commercial	Constructed after June 9, 1993 and not a functionally identical replacement.
GRP2L8PF	OC6L8H10, OC6L8H8, OC6L8H9	40 CFR Part 60, Subpart III	Not an air oxidation reactor
GRPL7PF	B72L7HH1, B72L7HH2, B72L7HH3, B72L7HH4, B72L7HH5	30 TAC Chapter 112, Sulfur Compounds	Not a solid fossil fuel-fired steam generator and not a liquid fuel -fired steam generator, furnace, or heater
OC2L8GF500	N/A	30 TAC Chapter 117, Subchapter B	Flares are exempt from the provisions of division 3.
OC2L8GF500	N/A	40 CFR Part 63, Subpart A	The flare is not required by applicable subparts under 40 CFR 63.
OC6FL066A	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6FL066A	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6FL066A	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6FL066A	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6FL066A	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6FL066A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6FL066A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61 or 63 reference this subpart
OC6FL066B	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6FL066B	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6FL066B	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6FL066B	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6FL066B	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6FL066B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6FL066B	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60,61, or 63 reference this subpart
OC6FL166A	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6FL166A	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6FL166A	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6FL166A	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6FL166A	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6FL166A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6FL166A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6FL166B	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6FL166B	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6FL166B	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6FL166B	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6FL166B	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6FL166B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6FL166B	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8CT800	N/A	40 CFR Part 63, Subpart Q	No chromium-based water treatment chemicals on or after September 8, 1994
OC6L8D069	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D069	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60 61 or 63
OC6L8D1015	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8D1015	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8D1015	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8D1015	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8D1015	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8D1015	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D1015	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D1080	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8D1080	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8D1080	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8D1080	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8D1080	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8D1080	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D1080	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60 , 61, or 63 reference this subparts
OC6L8D1081	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8D1081	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8D1081	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8D1081	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8D1081	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8D1081	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D1081	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D1180	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8D1180	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8D1180	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8D1180	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8D1180	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8D1180	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D1180	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D1181	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D1181	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60, 61, or 63.
OC6L8D1540	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
OC6L8D1540	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
OC6L8D1540	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
OC6L8D1540	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8D1540	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
OC6L8D1540	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D1540	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D169	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D169	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60, 61 or 63



### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8D230	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8D230	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8D230	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8D230	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8D230	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8D230	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D230	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D27	N/A	40 CFR Part 61, Subpart FF	Waste management unit, treatment process, or wastewater treatment system that is routed to a fuel gas system.
OC6L8D27	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D27	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60 61 or 63
OC6L8D301	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8D301	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D301	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60 61 or 63
OC6L8D906	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8D906	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8D906	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8D906	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8D906	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8D906	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D906	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D91	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
OC6L8D91	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
OC6L8D91	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
OC6L8D91	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8D91	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
OC6L8D91	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D91	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8D97	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40000 gallons
OC6L8D97	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40000 gallons
OC6L8D97	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
OC6L8D97	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8D97	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
OC6L8D97	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8D97	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8F1	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the provisions of this division
OC6L8F1	N/A	40 CFR Part 63, Subpart A	Flare is not required under 40 CFR 63
OC6L8F1018	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the provisions of this division
OC6L8F1018	N/A	40 CFR Part 63, Subpart A	Flare is not required under 40 CFR 63
OC6L8F902	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the provisions of this division
OC6L8F902	N/A	40 CFR Part 63, Subpart A	Flare is not required under 40 CFR 63
OC6L8FU01	N/A	40 CFR Part 60, Subpart VV	NSPS VV superseded by 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY.
OC6L8FU01	N/A	40 CFR Part 61, Subpart J	NESHAP J superseded by 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY
OC6L8FU01	N/A	40 CFR Part 61, Subpart V	NESHAP V superseded by 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY
OC6L8FU01	N/A	40 CFR Part 63, Subpart H	Not in OHAP service or not in OHAP service for 300 or more hours a year
OC6L8FU11	N/A	40 CFR Part 60, Subpart VV	NSPS VV superseded by 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY
OC6L8FU11	N/A	40 CFR Part 61, Subpart J	NESHAP J superseded by 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8FU11	N/A	40 CFR Part 61, Subpart V	NESHAP V superseded by 40 CFR 63 Subpart UU as referenced by 40 CFR 63 Subpart YY.
OC6L8FU11	N/A	40 CFR Part 63, Subpart H	Not in OHAP service or not in OHAP service for 300 or more hours a year
OC6L8R44A	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
OC6L8R44B	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
OC6L8R45A	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
OC6L8R45A	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modification after June 29, 1990
OC6L8R45B	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
OC6L8R45B	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modifications after June 29, 1990.
OC6L8R45C	N/A	40 CFR Part 60, Subpart III	Not an air oxidation reactor
OC6L8R45C	N/A	40 CFR Part 60, Subpart RRR	No construction, reconstruction, or modifications after June 29, 1990.
OC6L8RX1	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8RX2	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8RX3	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8RX4	N/A	40 CFR Part 63, Subpart G	Does not meet the definition of a process vent

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8S068	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8S068	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8S068	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8S068	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8S068	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8S068	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8S068	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart.
OC6L8S168	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8S168	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel.
OC6L8S168	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel.
OC6L8S168	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel.
OC6L8S168	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8S168	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8S168	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8SC01	N/A	40 CFR Part 63, Subpart T	Solvent contains < 5% by wt listed halogenated chemicals
OC6L8SP114	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank capacity is less than 1,000 gallons.

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8SP114	N/A	40 CFR Part 60, Subpart K	Storage vessel capacity is less than 40,000 gallons.
OC6L8SP114	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is less than 40000 gallons.
OC6L8SP114	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 19,800 gallons
OC6L8SP114	N/A	40 CFR Part 61, Subpart FF	The tank does not store or contain benzene waste.
OC6L8SP114	N/A	40 CFR Part 61, Subpart Y	The tank does not store the specified benzene.
OC6L8SP114	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8SP114	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR Part 63, Subpart OO.
OC6L8ST01A	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
OC6L8ST01A	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
OC6L8ST01A	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23 1984
OC6L8ST01A	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8ST01A	N/A	40 CFR Part 61, Subpart Y	Does not store listed benzene
OC6L8ST01A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8ST01A	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8ST01B	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
OC6L8ST01B	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
OC6L8ST01B	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23 1984

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8ST01B	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8ST01B	N/A	40 CFR Part 61, Subpart Y	Does not store listed benzene
OC6L8ST01B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8ST01B	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8ST505	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
OC6L8ST505	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
OC6L8ST505	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23 1984
OC6L8ST505	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8ST505	N/A	40 CFR Part 61, Subpart Y	Does not store listed benzene
OC6L8ST505	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8ST505	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8ST901	N/A	40 CFR Part 60, Subpart Kb	Storage vessel was constructed/reconstructed/modified prior to 7/23/1984.
OC6L8ST901	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8ST901	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
OC6L8ST901	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8ST901	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8ST916	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
OC6L8ST916	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
OC6L8ST916	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23 1984
OC6L8ST916	N/A	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste
OC6L8ST916	N/A	40 CFR Part 61, Subpart Y	Does not store listed benzene
OC6L8ST916	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8ST916	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8T070	N/A	30 TAC Chapter 115, Water Separation	Does not meet the definition of a VOC water separator.
OC6L8T070	N/A	40 CFR Part 60, Subpart NNN	Not part of a SOCM chemical distillation process unit
OC6L8T070	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8T070	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60, 61, or 63
OC6L8T170	N/A	30 TAC Chapter 115, Water Separation	Does not meet the definition of a VOC water separator
OC6L8T170	N/A	40 CFR Part 60, Subpart NNN	Not part of a SOCM chemical distillation process unit.



### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8T170	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8T170	N/A	40 CFR Part 63, Subpart VV	Not referenced by another applicable subpart in 40 CFR 60, 61, or 63.
OC6L8T28A	N/A	40 CFR Part 60, Subpart III	Oxidation unit does not produce a listed chemical
OC6L8T28A	N/A	40 CFR Part 60, Subpart NNN	Tower does not meet the definition of distillation operation, i.e, separation is not achieved by redistribution of components between the liquid/vapor phase as they approach equilibrium.
OC6L8T28A	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility; oxidation reactor
OC6L8T28A	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8T28B	N/A	40 CFR Part 60, Subpart III	Oxidation unit does not produce a listed chemical
OC6L8T28B	N/A	40 CFR Part 60, Subpart NNN	Tower does not meet the definition of distillation operation, i.e, separation is not achieved by redistribution of components between the liquid/vapor phase as they approach equilibrium.
OC6L8T28B	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility; oxidation reactor
OC6L8T28B	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8TO	N/A	30 TAC Chapter 111, Incineration	Incinerator does not combust solid waste
OC6L8TO	N/A	30 TAC Chapter 117, Subchapter B	Incinerators less than 40 MMBtu are exempt from the provisions of the division.

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8TO	N/A	40 CFR Part 60, Subpart E	Incinerator does not combust municipal solid waste
OC6L8TO	N/A	40 CFR Part 60, Subpart O	Incinerator does not combust sewage sludge
OC6L8TO	N/A	40 CFR Part 61, Subpart C	Facility is not a listed stationary source
OC6L8TO	N/A	40 CFR Part 61, Subpart E	Facility is not a listed stationary source
OC6L8V1005	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with capacity > 19,800 gallons and < 39,900 gallons with vapor pressure < 2.2 psia
OC6L8V1005	N/A	40 CFR Part 61, Subpart F	Does not contain or store benzene waste
OC6L8V1005	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
OC6L8V1005	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8V1005	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8V1020	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8V1020	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8V1020	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8V1020	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8V1020	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8V1020	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8V1020	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OC6L8V1045	N/A	30 TAC Chapter 115, Industrial Wastewater	Does not handle affected VOC wastewater stream
OC6L8V1050	N/A	30 TAC Chapter 115, Industrial Wastewater	Does not handle affected VOC wastewater stream
OC6L8V1905	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquid
OC6L8V1905	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquid
OC6L8V1905	N/A	40 CFR Part 60, Subpart Kb	Built before July 23 1984
OC6L8V1905	N/A	40 CFR Part 61, Subpart Y	Does not store benzene
OC6L8V1905	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8V1905	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
OC6L8V280	N/A	30 TAC Chapter 115, Storage of VOCs	Does not meet the definition of a stationary tank
OC6L8V280	N/A	40 CFR Part 60, Subpart K	Does not meet the definition of a storage vessel
OC6L8V280	N/A	40 CFR Part 60, Subpart Ka	Does not meet the definition of a storage vessel
OC6L8V280	N/A	40 CFR Part 60, Subpart Kb	Does not meet the definition of a storage vessel
OC6L8V280	N/A	40 CFR Part 61, Subpart Y	Does not store specified benzene
OC6L8V280	N/A	40 CFR Part 63, Subpart G	The process unit does not manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1) or (b)(1)(ii).
OC6L8V280	N/A	40 CFR Part 63, Subpart OO	No applicable subparts within 60, 61, or 63 reference this subpart
PROL7	N/A	40 CFR Part 63, Subpart F	Process unit does not produce any of the listed chemicals

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
PROL7	N/A	40 CFR Part 63, Subpart YY	Unit does not contain regulated ethylene process vents. SSM vents and vents routed to a fuel gas system are excluded from the definition of a process vent.
PROL8	N/A	40 CFR Part 63, Subpart F	Process unit does not produce any of the listed chemicals
PROL8	N/A	40 CFR Part 63, Subpart YY	Unit does not contain regulated ethylene process vents. SSM vents and vents routed to a fuel gas system are excluded from the definition of a process vent.
PROSRNG	N/A	40 CFR Part 63, Subpart HHH	The facility is the final end user and is not part of the natural gas transmission and storage facilities.
WWCL7	N/A	30 TAC Chapter 115, Industrial Wastewater	No affected wastewater streams, VOC concentration < 1000ppm

**New Source Review Authorization References**

<b>New Source Review Authorization References .....</b>	<b>308</b>
<b>New Source Review Authorization References by Emission Unit .....</b>	<b>309</b>

### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX994M1	Issuance Date: 04/04/2023
PSD Permit No.: PSDTX994M2	Issuance Date: 03/07/2023
<b>Nonattainment (NA) Permits</b>	
NA Permit No.: N274	Issuance Date: 03/07/2023
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 20432	Issuance Date: 03/07/2023
Authorization No.: 22072	Issuance Date: 05/07/2021
Authorization No.: 83841	Issuance Date: 06/24/2020
Authorization No.: 123731	Issuance Date: 10/24/2014
Authorization No.: 144784	Issuance Date: 04/04/2023
Authorization No.: 161913	Issuance Date: 01/05/2023
Authorization No.: 166672	Issuance Date: 11/12/2021
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 03/14/1997
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
A25SILRT25	A-25 - DISTILLATE LOADING	106.473/09/04/2000
A25SISTT25	A-2500 DISTILLATE TANK-25	106.478/09/04/2000
B4SILRD500	B-400 DISTILLATE LOADING	106.473/09/04/2000
B4SISTD500	B-400 DISTILLATE TANK D-500	106.478/09/04/2000
B56L7FU01	SITE PIPELINE FUGITIVE AREA	83841, 106.261/11/01/2003 [149923, 150865, 152663, 158062, 159863, 161544, 163650], 106.262/11/01/2003 [149923, 150865, 152663, 159863, 161544, 163650]
B60L7F1	FLARE FS-1	144784, PSDTX994M1
B60L7FU1	FUGITIVES AREA B-6000	144784, PSDTX994M1
B72L7CT1	COOLING TOWER CT-1	144784, PSDTX994M1, 106.371/09/04/2000
B72L7D103	D-103 SMALL FLARE K.O. POT	144784, PSDTX994M1
B72L7D108	D-108 SLOP OIL DRUM	144784, PSDTX994M1
B72L7D18	D-18 WASTEWATER STORAGE DRUM	144784, PSDTX994M1
B72L7D18A	D-218A OILY WATER SURGE DRUM (LUBE OIL AND WATER)	144784, PSDTX994M1
B72L7D18C	D-218C CONE DRUM (SLOP OIL STORAGE)	144784, PSDTX994M1
B72L7D19	D-19 WASTEWATER STORAGE DRUM	144784, PSDTX994M1
B72L7D2	D-2 QUENCH WATER OIL/WATER SEPARATOR	144784, PSDTX994M1
B72L7D202	D-202 SPENT CAUSTIC DEGASSER DRUM	144784, PSDTX994M1
B72L7D203B	D-203B OIL OVERFLOW DRUM	144784, PSDTX994M1
B72L7D204A	D-204A SPENT CAUSTIC COALESCER (SAND FILTER)	144784, PSDTX994M1
B72L7D204B	D-204B SPENT CAUSTIC COALESCER (SAND FILTER)	144784, PSDTX994M1

### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
B72L7D204C	D-204C SPENT CAUSTIC COALESCER (SAND FILTER)	144784, PSDTX994M1
B72L7D27	D-27, T-28 FEED SURGE DRUM	144784, PSDTX994M1
B72L7D28	D-28, T-28 O.H. FUEL GAS K.O. DRUM	144784, PSDTX994M1
B72L7D4	D-4 OIL/WATER SEPARATOR	161913
B72L7D450	D-450 PROCESS WATER TO WWT PLANT(STORAGE DRUM)	144784, PSDTX994M1
B72L7D452	MISC. OIL RECOVERY DRUM NORTH OF D-100	144784, PSDTX994M1
B72L7D453	MISC. OIL RECOVERY DRUM NORTH OF C-10	144784, PSDTX994M1
B72L7D511	D-511 OIL WATER SEPARATOR	144784, PSDTX994M1
B72L7D530A	C4+ PRODUCT TANK DEWATERING DRUM	144784, PSDTX994M1
B72L7D6	D-6 FLARE DRUM	144784, PSDTX994M1
B72L7D63	GREEN OIL KNOCKOUT DRUM	144784, PSDTX994M1
B72L7D6A	D-6A, D-6 BLOWDOWN DRUM	144784, PSDTX994M1
B72L7D7	D-7 FLARE BLOWDOWN DRUM	144784, PSDTX994M1
B72L7D77	D-77 OILY WATER BLOWDOWN DRUM	144784, PSDTX994M1
B72L7D80	D-80 WASH OIL DRUM	144784, PSDTX994M1
B72L7D81	D-81 WASH OIL RETURN DRUM	144784, PSDTX994M1, 106.261/11/01/2003 [166260], 106.262/11/01/2003 [166260]
B72L7DF1	DF-1 FLARE K.O. DRUM	144784, PSDTX994M1
B72L7DF1A	DF-1A FLARE BLOWDOWN DRUM	144784, PSDTX994M1
B72L7DF2	DF-2 FLARE K.O. DRUM	144784, PSDTX994M1
B72L7DF2B	FLARE DRUM BLOWDOWN COLLECTION DRUM	144784, PSDTX994M1



### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
B72L7F2	FS-2 FLARE-SMALL/TANK FARM FLARE	123731, 144784, PSDTX994M1, 106.261/11/01/2003 [158547], 106.262/11/01/2003 [158547]
B72L7FU1	B-7200 FUGITIVE AREA	144784, PSDTX994M1, 106.261/11/01/2003 [152308, 154686, 156270, 157613, 158547, 159113, 160358, 161923, 162615, 163041, 164116, 165274, 167397, 169510], 106.262/11/01/2003 [152308, 154686, 156270, 157613, 158547, 159113, 161923, 162615, 163041, 164116, 165274, 167397, 165805]
B72L7GE01	EMERGENCY DIESEL GENERATOR	144784, PSDTX994M1
B72L7GE02	EMERGENCY DIESEL GENERATOR	106.511/09/04/2000
B72L7HH1	PYROLYSIS FURNACE H-1	144784, PSDTX994M1
B72L7HH2	PYROLYSIS FURNACE H-2	144784, PSDTX994M1
B72L7HH3	PYROLYSIS FURNACE H-3	144784, PSDTX994M1
B72L7HH4	PYROLYSIS FURNACE H-4	144784, PSDTX994M1
B72L7HH5	PYROLYSIS FURNACE H-5	144784, PSDTX994M1
B72L7LR1	B-7200 UNLOADING AREA	144784, PSDTX994M1
B72L7R38	R-38 METHANATOR REACTOR	144784, PSDTX994M1
B72L7R60A	R-60A ACETYLENE REACTOR	144784, PSDTX994M1
B72L7R60B	R-60B ACETYLENE REACTOR	144784, PSDTX994M1
B72L7R60C	R-60C ACETYLENE REACTOR	144784, PSDTX994M1
B72L7S206	S-206 CAUSTIC COALESCER SOLIDS REMOVAL DRUM	144784, PSDTX994M1
B72L7SC02	B-7202 SOLVENT CLEANING	144784, PSDTX994M1

### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
B72L7SP203	D-203-1 SPENT CAUSTIC SURGE DRUM	144784, PSDTX994M1
B72L7T101	T-101 LPG SPLITTER	144784, PSDTX994M1
B72L7T51	T-51 DEMETHANIZER TOWER	144784, PSDTX994M1
B72L7T52	T-52 DE-ETHANIZER TOWER	144784, PSDTX994M1
B72L7T53A	T-53A DEPROPANIZER	144784, PSDTX994M1
B72L7T53B	T-53B DEPROPANIZER	144784, PSDTX994M1
B72L7T54A	T-54A TOP SECTION C3 SPLITTER	144784, PSDTX994M1
B72L7T54B	T-54B BOTTOM SECTION C3 SPLITTER	144784, PSDTX994M1
B72L7T71	T-71 SECONDARY DE-METHANIZER	144784, PSDTX994M1
B72L7T72	T-72 C2 SPLITTER TOWER	144784, PSDTX994M1
BM54SILR30	A/B METER STATION DISTILLATE LOADING	106.473/09/04/2000
BM54SIST30	A/B METER STATION DISTILLATE TANK D-301	106.478/09/04/2000
BSRHSBH	SALT BATH HEATER STACK	22072
BSRSR617	TRIETHYLENE GLYCOL	22072
BSRSRD404	D404 - LAST KNOCKOUT DRUM BEFORE FS-401 FLARE	22072
BSRSRF200	DW-6 DEHY FLARE	22072
BSRSRF200	VENTS ROUTED TO DW 6 DEHY FLARE	22072
BSRSRF402	BRINE FLARE NO. 2	22072
BSRSRF402	VENTS ROUTED TO BRINE FLARE 2	22072
BSRSRFMNF	STEVENS MAIN FLARE	22072
BSRSRFMNF	VENTS ROUTED TO STEVENS MAIN FLARE	22072

### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
BSRSRFMW1	MONITOR WELL NO. 1 FLARE	22072
BSRSRFMW1	VENTS TO MONITORING WELL NO. 1 FLARE	22072
BSRSRFUBRK	BROCK PROCESS FUGITIVE AREA	22072, 106.261/11/01/2003 [152182, 157214, 157724], 106.262/11/01/2003 [157214], 106.472/09/04/2000 [157214]
BSRSRFUDOW	DOW PROCESS FUGITIVE AREA	22072, 106.261/11/01/2003 [152182]
BSRSRFUSTV	STEVENS PROCESS FUGITIVE	22072, 106.261/11/01/2003 [152182, 154273, 157724, 163128, 170207]
BSRSRGE14	C14 ENGINE EXHAUST	22072
BSRSRGE55A	GAS ENGINE EXHAUST	22072
BSRSRH575	DOWTHERM HEATER H-575	22072
BSRSRH628	DW 6 DEHY HEATER	22072
BSRSRHDHT	SALT DOME OPERATION DOWTHERM HEATER	22072
BSRSRHET1	NORTH ETHYLENE HEATER	22072
BSRSRHET2	SOUTH ETHYLENE HEATER	22072
BSRSRLR615	DW 6 HC LOADING RACK	22072
BSRSROE1	MAINTENANCE EQUIPMENT CLEARING	22072
BSRSRPLHC1	LHC SURGE POND 1	22072
BSRSRPLHC2	LHC SURGE POND 2	22072
BSRSRS401	S-401 SEPARATOR	22072
BSRSRSC01	SAFETY KLEEN DEGREASER	106.454/11/01/2001
BSRSRSC301	SAFETY KLEEN DEGREASER	106.454/11/01/2001

### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
BSRSRSP626	WATER SEPARATOR	22072
BSRSRST202	GASOLINE TANK	22072
BSRSRST615	DW 6 HC TANK	22072
BSRSRST616	DW 6 METHANOL TANK	22072
BSRSRTL1	MAINTENANCE TRUCK LOADING RACK	106.263/11/01/2001
BSRSRVSTV	T-5 (SS1) DBSA TANK AT STEVENS	22072, 106.472/09/04/2000
OC2L8GF500	GROUND FLARE GF-500	20432, PSDTX994M2, N274
OC6FL066A	FL-1066A/B EFFLUENT WATER FILTERS	20432, PSDTX994M2, N274
OC6FL066B	FL-1066A/B EFFLUENT WATER FILTERS	20432, PSDTX994M2, N274
OC6FL166A	FL-1166A/B SPENT CAUSTIC FILTERS	20432, PSDTX994M2, N274
OC6FL166B	FL-1166A/B SPENT CAUSTIC FILTERS	20432, PSDTX994M2, N274
OC6L8CT800	COOLING TOWER	20432, PSDTX994M2, N274, 106.371/09/04/2000
OC6L8D069	D-1069 (HORIZONTAL) LIGHT OIL/WATER SEPARATOR	20432, PSDTX994M2, N274
OC6L8D1015	D-1015 QUENCH AREA STEAM OUT K.O. DRUM	20432, PSDTX994M2, N274
OC6L8D1080	D-1080 VERTICAL VESSEL	20432, PSDTX994M2, N274
OC6L8D1081	D-1081 (VERTICAL VESSEL) WASTE OIL WATER SEPARATOR	20432, PSDTX994M2, N274
OC6L8D1180	D-1180 VERTICAL VESSEL	20432, PSDTX994M2, N274
OC6L8D1181	D-1181 (VERTICAL VESSEL) WASTE OIL WATER SEPARATOR	20432, PSDTX994M2, N274
OC6L8D1540	D-1540 DIESEL STORAGE TANK	20432, PSDTX994M2, N274
OC6L8D169	D-1169 (HORIZONTAL) LIGHT OIL/WATER SEPARATOR	20432, PSDTX994M2, N274
OC6L8D230	D-230 BENZENE WASTE MGMT UNIT	20432, PSDTX994M2, N274

### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
OC6L8D27	D-27 SPENT CAUSTIC/HC DEGASSING D	20432, PSDTX994M2, N274
OC6L8D280	V-280 VESSEL	20432, PSDTX994M2, N274
OC6L8D301	D-301 OIL/WATER SEPARATOR	20432, PSDTX994M2, N274
OC6L8D433	D-433 OIL/WATER SEPARATOR	166672
OC6L8D906	D-906 BENZENE WASTE MGMT UNIT	20432, PSDTX994M2, N274
OC6L8D91	D-91 DIMETHYL DISULFIDE STOR. DRUM	20432, PSDTX994M2, N274
OC6L8D97	D-97 METHANOL STORAGE DRUM	20432, PSDTX994M2, N274
OC6L8F1	FS-1 ELEVATED FLARE STACK	20432, PSDTX994M2, N274
OC6L8F1018	FS-1018 VENT FLARE #1	20432, PSDTX994M2, N274
OC6L8F902	FS-902 SOUTH TANK FARM VENT FLARE	20432, PSDTX994M2, N274
OC6L8FU01	ETHYLENE PROCESS AREA FUGITIVES	20432, PSDTX994M2, N274, 106.261/11/01/2003 [162922, 163968, 164734, 165416, 166753, 170264], 106.262/11/01/2003 [162922, 163968, 165416]
OC6L8FU11	SOUTH TANK FARM FUGITIVES 1	20432, PSDTX994M2, N274, 106.261/11/01/2003 [157214, 161951, 163968], 106.262/11/01/2003 [157214, 163968], 106.472/09/04/2000 [157214]
OC6L8GE03	EMERGENCY DIESEL GENERATOR	20432, PSDTX994M2, N274
OC6L8H1	PYROLYSIS FURNACE F-1	20432, PSDTX994M2, N274
OC6L8H10	PYROLYSIS FURNACE F-10	20432, PSDTX994M2, N274
OC6L8H2	PYROLYSIS FURNACE F-2	20432, PSDTX994M2, N274
OC6L8H3	PYROLYSIS FURNACE F-3	20432, PSDTX994M2, N274

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
OC6L8H4	PYROLYSIS FURNACE F-4	20432, PSDTX994M2, N274
OC6L8H5	PYROLYSIS FURNACE F-5	20432, PSDTX994M2, N274
OC6L8H6	PYROLYSIS FURNACE F-6	20432, PSDTX994M2, N274
OC6L8H7	PYROLYSIS FURNACE F-7	20432, PSDTX994M2, N274
OC6L8H8	PYROLYSIS FURNACE F-8	20432, PSDTX994M2, N274
OC6L8H9	PYROLYSIS FURNACE F-9	20432, PSDTX994M2, N274
OC6L8LR1	OC-6 UNLOADING AREA	20432, PSDTX994M2, N274
OC6L8R44A	R-44A ACETYLENE REACTOR	20432, PSDTX994M2, N274
OC6L8R44B	R-44B ACETYLENE REACTOR	20432, PSDTX994M2, N274
OC6L8R45A	R-45A ACETYLENE REACTOR	20432, PSDTX994M2, N274
OC6L8R45B	R-45B ACETYLENE REACTOR	20432, PSDTX994M2, N274
OC6L8R45C	R-45C ACETYLENE REACTOR	20432, PSDTX994M2, N274
OC6L8RX1	PROCESS VENTS TO FLARES OC2F500 AND OC6F1	20432, PSDTX994M2, N274
OC6L8RX2	PROCESS EPN FOR VENT TO TOX FX-2000	20432, PSDTX994M2, N274
OC6L8RX3	PROCESS FIN FOR VENT TO F-902 FLARE	20432, PSDTX994M2, N274
OC6L8RX4	PROCESS FIN FOR VENT TO FLARE FS-1018	20432, PSDTX994M2, N274
OC6L8S068	S-1068 VERTICAL SEPARATOR	20432, PSDTX994M2, N274
OC6L8S168	S-1168 VERTICAL SEPARATOR	20432, PSDTX994M2, N274
OC6L8SC01	OC-602 DEGREASER	20432, PSDTX994M2, N274
OC6L8SP114	D-114 LUBE OIL RUNDOWN TANK	20432, PSDTX994M2, N274

### New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
OC6L8ST01A	PYGAS STORAGE TANK V-1101A	20432, PSDTX994M2, N274, 106.261/11/01/2003, 106.262/11/01/2003
OC6L8ST01B	PYGAS STORAGE TANK V-1101B	20432, PSDTX994M2, N274, 106.261/11/01/2003, 106.262/11/01/2003
OC6L8ST505	V-1505 FUEL OIL STORAGE	20432, PSDTX994M2, N274
OC6L8ST901	V-1901 NAPHTHA OR CONDENSATE STORAGE TANK	20432, PSDTX994M2, N274
OC6L8ST916	V-1916 FUEL OIL STORAGE	20432, PSDTX994M2, N274, 106.261/11/01/2003, 106.262/11/01/2003
OC6L8T070	T-1070 BENZENE STRIPPER	20432, PSDTX994M2, N274
OC6L8T1251	T-1251 HEAVY FUEL OIL STRIPPER	20432, PSDTX994M2, N274
OC6L8T160	T-160 DEBUTANIZER	20432, PSDTX994M2, N274
OC6L8T170	T-1170 AROMATIC STRIPPER	20432, PSDTX994M2, N274
OC6L8T19	T-19 LP DRIP STRIPPER	20432, PSDTX994M2, N274
OC6L8T201	T-201 OIL QUENCH TOWER	20432, PSDTX994M2, N274
OC6L8T20A	T-20A CAUSTIC TOWER	20432, PSDTX994M2, N274
OC6L8T20B	T-20B CAUSTIC TOWER	20432, PSDTX994M2, N274
OC6L8T251	T-251 HEAVY FUEL OIL STRIPPER	20432, PSDTX994M2, N274
OC6L8T252	T-252 LIGHT FUEL OIL STRIPPER	20432, PSDTX994M2, N274
OC6L8T28A	T-28A SPENT CAUSTIC OXIDIZER	20432, PSDTX994M2, N274
OC6L8T28B	T-28B SPENT CAUSTIC OXIDIZER	20432, PSDTX994M2, N274
OC6L8T301	T-301 WATER QUENCH TOWER	20432, PSDTX994M2, N274
OC6L8T350	T-350 OILY WATER STRIPPER	20432, PSDTX994M2, N274

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
OC6L8T40	T-40 HP DEPROPANIZER	20432, PSDTX994M2, N274
OC6L8T41	T-41 LP DEPROPANIZER	20432, PSDTX994M2, N274
OC6L8T50	T-50 ETHYLENE RECOVERY TOWER	20432, PSDTX994M2, N274
OC6L8T51	T-51 METHANE STRIPPER	20432, PSDTX994M2, N274
OC6L8T52	T-52 DEETHANIZER	20432, PSDTX994M2, N274
OC6L8T54A	T-54A C3 SPLITTER TOP SECTION	20432, PSDTX994M2, N274
OC6L8T54B	T-54B C3 SPLITTER BOTTOM SECTION	20432, PSDTX994M2, N274
OC6L8T60	T-60 DEBUTANIZER	20432, PSDTX994M2, N274
OC6L8T64A	T-64A C3 SPLITTER BOTTOM SECTION	20432, PSDTX994M2, N274
OC6L8T64B	T-64B C3 SPLITTER TOP SECTION	20432, PSDTX994M2, N274
OC6L8T72	T-72 C2 SPLITTER	20432, PSDTX994M2, N274
OC6L8TO	FX-2000 THERMAL OXIDIZER INCINERATOR	20432, PSDTX994M2, N274, 106.261/11/01/2003, 106.262/11/01/2003
OC6L8V1005	WASH OIL STORAGE TANK	20432, PSDTX994M2, N274
OC6L8V1020	V-1020 QUENCH AREA EFFLUENT WATER TANK	20432, PSDTX994M2, N274
OC6L8V1045	V-1045 BIO POND TANK #1	20432, PSDTX994M2, N274
OC6L8V1050	V-1050 BIO POND TANK #2	20432, PSDTX994M2, N274
OC6L8V1905	PROCESS WATER	20432, PSDTX994M2, N274
OC6L8V280	V-280 SPENT CAUSTIC SURGE TANK	20432, PSDTX994M2, N274
PROL7	PROCESS UNIT ID FOR LIGHT HYDROCARBON #7	20432, PSDTX994M2, N274
PROL7FF	LIGHT HYDROCARBON 7	20432, PSDTX994M2, N274



### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
PROL8	PROCESS UNIT ID FOR LIGHT HYDROCARBON #8	20432, PSDTX994M2, N274
PROL8FF	LIGHT HYDROCARBON 8	20432, PSDTX994M2, N274
PROSDO	PROCESS UNIT ID FOR SDO	22072
PROSRNG	SDO NATURAL GAS DEHYDRATION UNIT	22072
WWCL7	LHC 7 PROCESS WASTEWATER	144784, PSDTX994M1

\*\*This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

## Appendix A

Acronym List .....	321
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## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
COMS	continuous opacity monitoring system
CVS	closed vent system
D/FW	Dallas/Fort Worth (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MACT	Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr	Million British thermal units per hour
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NESHAP	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PEMS	predictive emissions monitoring system
PM	particulate matter
ppmv	parts per million by volume
PRO	process unit
PSD	prevention of significant deterioration
psia	pounds per square inch absolute
SIP	state implementation plan
SO <sub>2</sub>	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound

**Appendix B**

**Major NSR Summary Table ..... 323**

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Routine Emissions							
OC6S1	Pyrolysis Furnace F1	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NO <sub>x</sub>	38.54	-			
		SO <sub>2</sub>	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			
		Ethylene	0.27	-			
OC6S2	Pyrolysis Furnace F2	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NO <sub>x</sub>	38.54	-			
		SO <sub>2</sub>	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Ethylene	0.27	-			
OC6S3	Pyrolysis Furnace F3	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NOx	38.54	-			
		SO2	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			
		Ethylene	0.27	-			
OC6S4	Pyrolysis Furnace F4	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NOx	38.54	-			
		SO2	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			
		Ethylene	0.27	-			

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
OC6S5	Pyrolysis Furnace F5	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NOx	38.54	-			
		SO2	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			
		Ethylene	0.27	-			
OC6S6	Pyrolysis Furnace F6	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NOx	38.54	-			
		SO2	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			
		Ethylene	0.27	-			
OC6S7	Pyrolysis	CO	28.51	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Furnace F7	NOx	38.54	-			
		SO2	0.54	-			
		PM	2.27	-			
		PM <sub>10</sub>	2.27	-			
		PM <sub>2.5</sub>	2.27	-			
		VOC (6)	2.08	-			
		Ethylene	0.27	-			
OC6S8	Pyrolysis Furnace F8	CO	25.89	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NOx	22.75	-			
		SO2	0.49	-			
		PM	2.10	-			
		PM <sub>10</sub>	2.10	-			
		PM <sub>2.5</sub>	2.10	-			
		VOC (6)	1.89	-			
		Ethylene	0.25	-			
OC6S9	Pyrolysis Furnace F9	CO	29.59	-	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NOx	26.00	-			



Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements  Special Condition/Application Information	Recordkeeping Requirements  Special Condition/Application Information	Reporting Requirements  Special Condition/Application Information
			lbs/hour	TPY (4)			
		SO <sub>2</sub>	0.56	-			
		PM	2.08	-			
		PM <sub>10</sub>	2.08	-			
		PM <sub>2.5</sub>	2.08	-			
		VOC (6)	2.16	-			
		Ethylene	0.28	-			
OC6S10	Pyrolysis Furnace F10	CO	25.89	--	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NO <sub>x</sub>	22.75	--			
		SO <sub>2</sub>	0.49	--			
		PM	2.10	--			
		PM <sub>10</sub>	2.10	--			
		PM <sub>2.5</sub>	2.10	--			
		VOC (6)	1.89	--			
		Ethylene	0.25	-			
OC6S1, OC6S2, OC6S3, OC6S4, OC6S5,	Furnace Source Group Cap (Does not include F-9 decoking)	CO	--	195.82	3, 5, 13, 28, 31, 32	3, 5, 13, 28, 32	3, 5, 28, 32
		NO <sub>x</sub>	--	857.60			
		SO <sub>2</sub>	--	4.50			

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
OC6S6, OC6S7, OC6S8, OC6S9, and OC6S10		PM	--	43.86			
		PM <sub>10</sub>	--	43.86			
		PM <sub>2.5</sub>	--	43.86			
		VOC (6)	--	60.77			
		Ethylene	-	2.07			
OC6F902	FS-902 Tank Farm Vent Flare	CO	15.29	47.89	3, 4, 5, 13, 23, 24	3, 4, 5, 13, 23, 24, 33	3, 4, 5
		NO <sub>x</sub>	1.78	5.58			
		SO <sub>2</sub>	0.39	0.05			
		VOC	1.64	5.15			
OC6F1	FS-1 Elevated Flare (8)	CO	272.27	-	3, 4, 5, 13, 23, 24	3, 4, 5, 13, 23, 24, 33	3, 4, 5
		NO <sub>x</sub>	53.43	-			
		SO <sub>2</sub>	11.46	-			
		VOC (6)	148.14	-			
		Ethylene	143.90	-			
		Propylene	138.12	-			
OC6F1018	FS-1018 Vent Flare #1	CO	37.53	19.97	3, 4, 5, 13, 23, 24	3, 4, 5, 13, 23, 24, 33	3, 4, 5
		NO <sub>x</sub>	7.37	3.92			

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO <sub>2</sub>	.027	0.07			
		VOC (6)	17.55	2.44			
		Ethylene	2.06	0.63			
		Propylene	2.07	0.29			
OC2F500	GF-500 Multipoint Ground Flare (8)	CO	117.91	-	3, 4, 5, 13, 23, 24	3, 4, 5, 13, 23, 24, 33	3, 4, 5
		NO <sub>x</sub>	23.14	-			
		SO <sub>2</sub>	10.68	-			
		VOC (6)	145.16	-			
		Ethylene	143.90	-			
		Propylene	138.12	-			
OC6F1, OC2F500	Flare Source Group Cap (7)	CO	-	187.47	3, 4, 5, 13, 22, 23, 24, 31, 32	3, 4, 5, 13, 22, 23, 24, 32, 33	3, 4, 5, 32
		NO <sub>x</sub> (NA)	-	36.79			
		SO <sub>2</sub>	-	0.92			
		VOC (6)	-	25.18			
		Ethylene	-	8.65			
		Propylene	-	5.33			
OC6S2000	FX-2000	CO	1.00	4.38	3, 4, 5, 13, 22, 23, 24,	3, 4, 5, 13, 22, 23, 24, 32,	3, 4, 5, 32

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Thermal Oxidizer (8)	NO <sub>x</sub>	1.50	6.57	31, 32	33	
		SO <sub>2</sub>	10.59	0.43			
		PM	0.07	0.33			
		PM <sub>10</sub>	0.07	0.33			
		PM <sub>2.5</sub>	0.07	0.33			
		VOC (6)	0.54	0.93			
		Ethylene	0.20	0.39			
		Propylene	0.20	0.20			
OC6ST1101A	Storage Tank V-1101A	VOC	3.61	-	3, 14, 43	3, 14, 33, 43, 44	3, 14
OC6ST1101B	Storage Tank V-1101B	VOC	3.61	-	3, 14, 43	3, 14, 33, 43, 44	3, 14
OC6ST1901	Storage Tank V-1901	VOC	2.25	-	3, 14, 43	3, 14, 33, 43, 44	3, 14
OC6ST1905	Storage Tank V-1905	VOC	1.84	-	3, 4, 14, 43	3, 4, 14, 33, 43, 44	3, 4, 14
OC6ST1101A, OC6ST1101B, OC6ST1901, OC6ST1905	Storage Tanks Source Group Cap	VOC	-	23.50	3, 4, 14, 43	3, 4, 14, 33, 43, 44	3, 4, 14
OC6V1005	Storage Tank V-1005	VOC	0.04	<0.01	3, 4	3, 4, 33	3, 4

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
OC6CT800	CT-800 Cooling Tower	VOC	4.54	15.90	5, 26, 27	5, 27, 33	5, 27
		PM	3.65	6.74			
		PM <sub>10</sub>	0.57	2.48			
		PM <sub>2.5</sub>	<0.01	0.03			
OC6FU01	Process Area Fugitives (5)	VOC	9.05	-	3, 4, 5, 18, 19, 20, 21	3, 4, 5, 19, 21, 33	3, 4, 5, 19
		Cl <sub>2</sub>	<0.01	-			
		HCl	<0.01	-			
OC6FU11	South Tank Farm #1 Fugitives (5)	VOC	0.65	-	3, 4, 5, 18, 19, 20, 21	3, 4, 5, 19, 21, 33	3, 4, 5, 19
OC6FU01, OC6FU11,	Fugitive Source Group Cap (5)	VOC	-	42.46	3, 4, 5, 17, 18, 19, 20, 21	3, 4, 5, 19, 21, 33	3, 4, 5, 19
		Cl <sub>2</sub>	-	0.04			
		HCl	-	0.01			
OC6GE03	Emergency Diesel Generator	CO	2.34	0.12		33	
		NO <sub>x</sub>	10.85	0.54			

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO <sub>2</sub>	0.72	0.04			
		PM	0.77	0.04			
		PM <sub>10</sub>	0.77	0.04			
		PM <sub>2.5</sub>	0.77	0.04			
		VOC	0.86	0.04			
OC6SC01	OC-602 Degreasing	VOC	0.31	1.34		33	
OC6V1	Decoking vent F-9	CO	94.50	2.55		33	
		PM	21.00	0.54			
		PM <sub>10</sub>	21.00	0.54			
		PM <sub>2.5</sub>	21.00	0.54			
Furnace Source Group Cap, Flare Source Group Cap, Storage Tanks Source Group Cap, Fugitive Source Group	Routine Emissions Compliance Cap	CO	396.94	263.20		33	
		NO <sub>x</sub>	277.82	877.40			
		SO <sub>2</sub>	7.20	5.17			
		PM	48.23	50.27			

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Cap, OC6F902, OC6F1018, OC6S2000, OC6V1005, OC6CT800, OC6GE03, OC6SC01 and OC6V1		PM <sub>10</sub>	48.23	50.27			
		PM <sub>2.5</sub>	48.23	50.27			
		VOC	66.74	129.60			
		Cl <sub>2</sub>	0.01	0.04			
		HCl	0.01	0.05			
Maintenance, Startup, and Shutdown Emissions							
OC6S1	Pyrolysis Furnace F1 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S2	Pyrolysis Furnace F2 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S3	Pyrolysis Furnace F3 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S4	Pyrolysis Furnace F4 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S5	Pyrolysis Furnace F5 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-

Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements  Special Condition/Application Information	Recordkeeping Requirements  Special Condition/Application Information	Reporting Requirements  Special Condition/Application Information
			lbs/hour	TPY (4)			
OC6S6	Pyrolysis Furnace F6 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S7	Pyrolysis Furnace F7 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S8	Pyrolysis Furnace F8 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S9	Pyrolysis Furnace F9 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6S10	Pyrolysis Furnace F10 MSS	CO	224.42	-	39, 40, 41	39, 40, 41	-
OC6F1	Flare MSS (FS-1)	CO	4927.07	-	23, 39, 40, 41, 46	23, 39, 40, 41, 46	-
		NO <sub>x</sub>	956.35	-			
		SO <sub>2</sub>	0.45	-			
		VOC (6)	8467.00	-			
		Ethylene	3120.00	-			
		Propylene	1200.00	-			



Major NSR Summary Table

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
OC2F500	Flare MSS (GF-500)	CO	1168.39	-	23, 39, 40, 41, 46	23, 39, 40, 41, 46	-
		NO <sub>x</sub>	225.75	-			
		SO <sub>2</sub>	0.45	-			
		VOC (6)	1432.05	-			
		Ethylene	834.95	-			
		Propylene	660.00	-			
OC6F1, OC2F500	Flare MSS Emissions Annual Cap	CO	-	78.90	23, 39, 40, 41, 46	23, 39, 40, 41, 46	-
		NO <sub>x</sub>	-	15.32			
		SO <sub>2</sub>	-	<0.01			
		VOC (6)	-	74.74			
		Ethylene	-	37.11			
		Propylene	-	22.15			
OC6S9	Furnace Purge, H-9	CO	0.01	0.01	39, 40, 41	39, 40, 41	-
		VOC	0.04	0.01			

**Major NSR Summary Table**

Permit Number: 20432, PSDTX994M2, and N274					Issuance Date: March 7, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements  Special Condition/Application Information	Recordkeeping Requirements  Special Condition/Application Information	Reporting Requirements  Special Condition/Application Information
			lbs/hour	TPY (4)			
OC6MEFU1	Attachment A Activities	VOC	0.09	0.01	39, 40, 41, 42	39, 40, 41, 42	-
	Attachment B Activities	VOC	3.65	0.11			
	Equipment Opening (Attachment C)	VOC	283.73	0.49			
OC6TOT	Portable Thermal Oxidizer	CO	1.00	0.20	39, 40, 41, 46	39, 40, 41, 46	-
		NO <sub>x</sub>	1.20	0.24			
		PM	0.08	0.02			
		PM <sub>10</sub>	0.08	0.02			
		PM <sub>2.5</sub>	0.08	0.02			
		SO <sub>2</sub>	0.07	0.04			
		VOC	1.64	0.12			

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.  
 (2) Specific point source name. For fugitive sources, use area name or fugitive source name.  
 (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM2.5 - particulate matter equal to or less than 2.5 microns in diameter

CO carbon monoxide

Cl<sub>2</sub> - Chlorine

HCl - Hydrogen Chloride

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) VOC emission rates include the ethylene and/or propylene HRVOC emissions.
- (7) The flare emissions authorized through this Permit are only the emissions from The Dow Chemical Company's Light Hydrocarbons (LHC)-8 Unit. Emissions resulting from the waste stream from Braskem America, Inc.'s NSR Permit 37884 controlled by any of the flares are authorized and reported by Braskem America, Inc.
- (8) The flare emissions authorized under project 342900 are in effect until the implementation of the Flare Gas Recovery project. Once this project is implemented, these emissions (DMDS emissions from D-91) should only be routed to Thermal Oxidizer (EPN OC6S2000).

### Major NSR Summary Table

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
B72SH1	Pyrolysis Furnace H1	CO	45.27	-	3, 5, 11, 18, 20	3, 5, 9, 11, 18, 20,	3, 5, 18, 20,
		CO (Decoking)	181.08	-			
		NO <sub>x</sub>	30.86	-			
		SO <sub>2</sub>	0.72	-			
		SO <sub>2</sub> (Decoking)	65.90	-			
		PM	3.83	-			
		PM <sub>10</sub>	3.83	-			
		PM <sub>2.5</sub>	3.83	-			
		VOC	2.77	-			
		Ethylene	0.80	-			
B72SH2	Pyrolysis Furnace H <sub>2</sub>	CO	45.27	-	3, 5, 11, 18, 20	3, 5, 9, 11, 18, 20,	3, 5, 18, 20,
		CO (Decoking)	181.08	-			
		NO <sub>x</sub>	30.86	-			
		SO <sub>2</sub>	0.72	-			
		SO <sub>2</sub> (Decoking)	65.90	-			

### Major NSR Summary Table

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	3.83	-			
		PM <sub>10</sub>	3.83	-			
		PM <sub>2.5</sub>	3.83	-			
		VOC	2.77	-			
		Ethylene	0.80	-			
B72SH3	Pyrolysis Furnace H3	CO	45.27	-	3, 5, 11, 18, 20	3, 5, 9, 11, 18, 20,	3, 5, 18, 20,
		CO (Decoking)	181.08	-			
		NO <sub>x</sub>	30.86	-			
		SO <sub>2</sub>	0.72	-			
		SO <sub>2</sub> (Decoking)	65.90	-			
		PM	3.83	-			
		PM <sub>10</sub>	3.83	-			
		PM <sub>2.5</sub>	3.83	-			
		VOC	2.77	-			
		Ethylene	0.80	-			

**Major NSR Summary Table**

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
B72SH4	Pyrolysis Furnace H4	CO	45.27	-	3, 5, 11, 18, 20	3, 5, 9, 11, 18, 20,	3, 5, 18, 20,
		CO (Decoking)	181.08	-			
		NO <sub>x</sub>	30.86	-			
		SO <sub>2</sub>	0.72	-			
		SO <sub>2</sub> (Decoking)	65.90	-			
		PM	3.83	-			
		PM <sub>10</sub>	3.83	-			
		PM <sub>2.5</sub>	3.83	-			
		VOC	2.77	-			
		Ethylene	0.80	-			
B72SH5	Pyrolysis Furnace H5	CO	45.27	-	3, 5, 11, 18, 20	3, 5, 9, 11, 18, 20,	3, 5, 18, 20,
		CO (Decoking)	181.08	-			
		NO <sub>x</sub>	30.86	-			
		SO <sub>2</sub>	0.72	-			
		SO <sub>2</sub> (Decoking)	65.90	-			

**Major NSR Summary Table**

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	3.83	-			
		PM <sub>10</sub>	3.83	-			
		PM <sub>2.5</sub>	3.83	-			
		VOC	2.77	-			
		Ethylene	0.80	-			
B72SH1, B72SH2, B72SH3, B72SH4, B72SH5	Furnace Source Group Cap	CO	-	158.65	11, 18, 20	11, 18, 20	18, 20
		NO <sub>x</sub>	-	469.26			
		SO <sub>2</sub>	-	2.59			
		PM	-	58.63			
		PM <sub>10</sub>	-	58.63			
		PM <sub>2.5</sub>	-	58.63			
		VOC	-	49.36			
		Ethylene	-	6.93			
B72CT1	CT-1 Cooling Tower	VOC	3.25	13.71	5, 13	5, 13	5
		Ethylene	2.05	4.51			

**Major NSR Summary Table**

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		Propylene	3.25	11.03			
		PM	4.02	5.87			
		PM <sub>10</sub>	0.69	3.03			
		PM <sub>2.5</sub>	<0.01	0.03			
B72FU1	B-7200 Process Area Fugitives (5)	VOC	11.45	49.99	3, 4, 5, 14, 15, 16, 17	3, 4, 5, 14, 17	3, 4, 5, 14
		Ethylene	6.20	26.99			
		Propylene	2.45	10.71			
		Cl <sub>2</sub>	0.01	0.05			
		HCl	0.08	0.35			
B72GE01	Emergency Generator	CO	1.14	0.05		10	
		NO <sub>x</sub>	2.87	0.14			
		SO <sub>2</sub>	0.35	0.02			
		PM	0.37	0.02			
		PM <sub>10</sub>	0.37	0.02			
		PM <sub>2.5</sub>	0.37	0.02			



**Major NSR Summary Table**

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	0.42	0.02			
B72SC02	B-7202 Degreasing	VOC	0.31	1.34			
B72SH1, B72SH2, B72SH3, B72SH4, B72SH5, B72CT1, B72FU1, B72GE01, B72SC02	Compliance Cap (includes Furnaces, Cooling Tower, Fugitives, Emergency Degreaser and Degreasing)	CO	227.49	150.17			
		NOx	157.15	467.80			
		SO2	95.17	7.64			
		PM	22.05	73.62			
		PM10	22.05	73.62			
		PM2.5	22.05	73.62			
		VOC	17.92	73.53			
		Cl2	0.01	0.05			
		HCl	0.08	0.35			
B72SH1	Furnace Purge (MSS), H-1	VOC	0.01	<0.01		21	
B72SH2	Furnace Purge (MSS), H-2	VOC	0.01	<0.01		21	
B72SH3	Furnace Purge (MSS), H-3	VOC	0.01	<0.01		21	

**Major NSR Summary Table**

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
B72SH4	Furnace Purge (MSS), H-4	VOC	0.01	<0.01		21	
B72SH5	Furnace Purge (MSS), H-5	VOC	0.01	<0.01		21	
B60F3	FS-1 Large Elevated Flare (Routine Emissions)	CO	207.59	178.22	3, 4, 5, 11, 12	3, 4, 5, 12	3, 4, 5
		NO <sub>x</sub>	40.74	34.98			
		SO <sub>2</sub>	0.60	0.25			
		VOC	202.29	29.98			
		Ethylene	95.00	13.14			
		Propylene	75.00	6.57			
	FS-1 Large Elevated Flare (MSS Emissions)	CO	2602.53	100.10	3, 4, 5, 11, 12	3, 4, 5, 12	3, 4, 5
		NO <sub>x</sub>	360.30	15.90			
		SO <sub>2</sub>	6.40	0.20			
		VOC	2168.77	76.93			
		Ethylene	1820.00	30.88			
		Propylene	1284.28	20.46			
B72F1	FS-2 Small	CO	8.73	38.25	3, 4, 5, 11, 12	3, 4, 5, 12	3, 4, 5

### Major NSR Summary Table

Permit Number: 144784 and PSDTX994M1					Issuance Date: April 4, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Elevated Flare (operating as unassisted) B72F1	NO <sub>x</sub>	1.02	4.46			
		SO <sub>2</sub>	0.09	0.08			
		VOC	0.21	0.88			
B72MEFU1	Attachment A	VOC	2.06	0.23	22, 23	21, 22, 23	
	Attachments B	VOC	3.65	0.11			
	Equipment Opening (MSS) Attachments C	VOC	271.11	0.27			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

CO carbon monoxide

NO<sub>x</sub> total oxides of nitrogen

SO<sub>2</sub> sulfur dioxide

PM total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM<sub>2.5</sub> particulate matter equal to or less than 2.5 microns in diameter

Cl<sub>2</sub> chlorine

HCl hydrogen chloride

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.



## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*  
**The Dow Chemical Company**  
*Authorizing the Construction and Operation of*  
**Hydrocarbons Facilities**  
*Located at Freeport, Brazoria County, Texas*  
*Latitude 28.996944 Longitude -95.346666*

Permits: 20432, N274 and PSDTX994M2

Revision Date: March 7, 2023

Expiration Date: August 7, 2029

A handwritten signature in black ink, reading "Erin E. Chamalor".

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] <sup>1</sup>
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources-- Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] <sup>1</sup>
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. <sup>1</sup>

<sup>1</sup> Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

## Common Acronyms in Air Permits

°C = Temperature in degrees Celsius	GLCmax = maximum (predicted) ground-level concentration
°F = Temperature in degrees Fahrenheit	gpm = gallon per minute
°K = Temperature in degrees Kelvin	gr/1000scf = grain per 1000 standard cubic feet
µg = microgram	gr/dscf = grain per dry standard cubic feet
µg/m <sup>3</sup> = microgram per cubic meter	H <sub>2</sub> CO = formaldehyde
acfm = actual cubic feet per minute	H <sub>2</sub> S = hydrogen sulfide
AMOC = alternate means of control	H <sub>2</sub> SO <sub>4</sub> = sulfuric acid
AOS = alternative operating scenario	HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
AP-42 = Air Pollutant Emission Factors, 5th edition	HC = hydrocarbons
APD = Air Permits Division	HCl = hydrochloric acid, hydrogen chloride
API = American Petroleum Institute	Hg = mercury
APWL = air pollutant watch list	HGB = Houston/Galveston/Brazoria
BPA = Beaumont/ Port Arthur	hp = horsepower
BACT = best available control technology	hr = hour
BAE = baseline actual emissions	IFR = internal floating roof tank
bbl = barrel	in H <sub>2</sub> O = inches of water
bbl/day = barrel per day	in Hg = inches of mercury
bhp = brake horsepower	IR = infrared
BMP = best management practices	ISC3 = Industrial Source Complex, a dispersion model
Btu = British thermal unit	ISCST3 = Industrial Source Complex Short-Term, a dispersion model
Btu/scf = British thermal unit per standard cubic foot or feet	K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
CAA = Clean Air Act	LACT = lease automatic custody transfer
CAM = compliance-assurance monitoring	LAER = lowest achievable emission rate
CEMS = continuous emissions monitoring systems	lb = pound
cfm = cubic feet (per) minute	lb/day = pound per day
CFR = Code of Federal Regulations	lb/hr = pound per hour
CN = customer ID number	lb/MMBtu = pound per million British thermal units
CNG = compressed natural gas	LDAR = Leak Detection and Repair (Requirements)
CO = carbon monoxide	LNG = liquefied natural gas
COMS = continuous opacity monitoring system	LPG = liquefied petroleum gas
CPMS = continuous parametric monitoring system	LT/D = long ton per day
DFW = Dallas/ Fort Worth (Metroplex)	m = meter
DE = destruction efficiency	m <sup>3</sup> = cubic meter
DRE = destruction and removal efficiency	m/sec = meters per second
dscf = dry standard cubic foot or feet	MACT = maximum achievable control technology
dscfm = dry standard cubic foot or feet per minute	MAERT = Maximum Allowable Emission Rate Table
ED = (TCEQ) Executive Director	MERA = Modeling and Effects Review Applicability
EF = emissions factor	mg = milligram
EFR = external floating roof tank	mg/g = milligram per gram
EGU = electric generating unit	mL = milliliter
EI = Emissions Inventory	MMBtu = million British thermal units
ELP = El Paso	MMBtu/hr = million British thermal units per hour
EPA = (United States) Environmental Protection Agency	MSDS = material safety data sheet
EPN = emission point number	MSS = maintenance, startup, and shutdown
ESL = effects screening level	MW = megawatt
ESP = electrostatic precipitator	NAAQS = National Ambient Air Quality Standards
FCAA = Federal Clean Air Act	NESHAP = National Emission Standards for Hazardous Air Pollutants
FCCU = fluid catalytic cracking unit	NGL = natural gas liquids
FID = flame ionization detector	NNSR = nonattainment new source review
FIN = facility identification number	NO <sub>x</sub> = total oxides of nitrogen
ft = foot or feet	NSPS = New Source Performance Standards
ft/sec = foot or feet per second	
g = gram	
gal/wk = gallon per week	
gal/yr = gallon per year	
GLC = ground level concentration	

PAL = plant-wide applicability limit  
PBR = Permit(s) by Rule  
PCP = pollution control project  
PEMS = predictive emission monitoring system  
PID = photo ionization detector  
PM = periodic monitoring  
PM = total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> = particulate matter equal to or less than 2.5 microns in diameter  
PM<sub>10</sub> = total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
POC = products of combustion  
ppb = parts per billion  
ppm = parts per million  
ppmv = parts per million (by) volume  
psia = pounds (per) square inch, absolute  
psig = pounds (per) square inch, gage  
PTE = potential to emit  
RA = relative accuracy  
RATA = relative accuracy test audit  
RM = reference method  
RVP = Reid vapor pressure  
scf = standard cubic foot or feet  
scfm = standard cubic foot or feet (per) minute  
SCR = selective catalytic reduction  
SIL = significant impact levels  
SNCR = selective non-catalytic reduction  
SO<sub>2</sub> = sulfur dioxide  
SOCMI = synthetic organic chemical manufacturing industry  
SRU = sulfur recovery unit  
TAC = Texas Administrative Code  
TCAA = Texas Clean Air Act  
TCEQ = Texas Commission on Environmental Quality  
TD = Toxicology Division  
TLV = threshold limit value  
TMDL = total maximum daily load  
tpd = tons per day  
tpy = tons per year  
TVP = true vapor pressure  
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
VRU = vapor recovery unit or system

## **Special Conditions**

Permit Numbers 20432, N274, and PSDTX994M2

1. This permit authorizes the Light Hydrocarbon Unit 8 (LHC-8) located within the OC-600 block of the Dow Chemical Company's Oyster Creek plant site in Freeport, Brazoria County. All emission sources authorized by this permit are shown on the attached table entitled "Emission Sources-Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in that attached table.
2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

## **Federal Applicability**

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):
  - A. Subpart A, General Provisions
  - B. Subpart Ka, Standards for Storage Vessels of Petroleum Liquids
  - C. Subpart Kb, Standards for Storage Vessels of Volatile Organic Liquids
  - D. Subpart VV, Standards for SOCM I VOC Equipment Leaks
  - E. Subpart NNN, Standards for VOC Emissions From SOCM I Distillation Operations
  - F. Subpart RRR, Standards for VOC Emissions From SOCM I Reactor Processes
4. These facilities shall comply with all applicable requirements of the U.S. EPA regulations on National Emission Standards for Hazardous Air Pollutants (NESHAP) in 40 CFR Part 61:
  - A. Subpart A, General Provisions
  - B. Subpart J, Standards for Equipment Leaks of Benzene
  - C. Subpart M, Standards for Asbestos
  - D. Subpart V, Standards for Equipment Leaks
  - E. Subpart BB, Standards for Benzene Emissions From Benzene Transfer Operations
  - F. Subpart FF, Standards for Benzene Waste Operations
5. These facilities shall comply with all applicable requirements of the U.S. EPA regulations on NESHAP for Source Categories in 40 CFR Part 63:
  - A. Subpart A, General Provisions
  - B. Subpart UU, Emission Standards for Equipment Leaks
  - C. Subpart XX, Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations
  - D. Subpart YY, General MACT Standards



- E. Subpart DDDDD, Standards for Commercial Boilers and Process Heaters
  - F. Subpart GGGGG, Standards for Site Remediation
6. If any condition of this permit is more stringent than the applicable regulations in Special Condition Nos. 3, 4, and 5, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.

#### **Emission Standards and Operational Limitations**

7. Emissions from Pyrolysis Furnace Nos. 1 through 7 (Emission Point Numbers [EPNs] OC6S1 through OC6S7) shall not exceed the following requirements when the total furnace duty exceeds 95 million British thermal units (MMBtu) per hour (hr) based on the higher heating value (HHV) of heat input and the hydrocarbon feed rate exceeds 60,000 lb/hr. **(PSD)**
- A. Emissions of Nitrogen Oxide (NO<sub>x</sub>) shall not exceed 0.10 pound (lb) NO<sub>x</sub> per MMBtu on an hourly average basis based on the HHV of the fuel fired and 0.10 lb NO<sub>x</sub> per MMBtu on a rolling 12- month basis, based on the HHV of the fuel fired.
  - B. Emissions of Carbon monoxide (CO): shall not exceed an hourly maximum of 100 parts per million by volume, dry, (ppm<sub>vd</sub>) corrected to 3.0% excess oxygen (O<sub>2</sub>) and 20 ppm<sub>vd</sub> CO corrected to 3.0% excess O<sub>2</sub> on a rolling 12-month basis.
8. Emissions of from Pyrolysis Furnace Nos. 8 and 10 (EPNs OC6S8 and OC6S10) shall not exceed the following requirements when the duty from the bottom staged burners exceeds 95 MMBtu/hr HHV and the hydrocarbon feed rate exceeds 60,000 lb/hr. **(PSD)**
- A. Emissions of NO<sub>x</sub> shall not exceed 0.065 lb per MMBtu on an hourly average basis based on the HHV of the fuel fired and 0.06 lb NO<sub>x</sub> per MMBtu on a rolling 12- month basis, based on the HHV of the fuel fired.
  - B. Emissions of CO shall not exceed an hourly maximum of 100 ppm<sub>vd</sub>, corrected to 3% oxygen and a 12-month rolling average of 24 ppm<sub>vd</sub> corrected to 3% oxygen
9. Emissions from Pyrolysis Furnace No. 9 (EPN OC6S9) shall not exceed the following requirements when the duty from the bottom staged burners exceeds 95 MMBtu/hr HHV and the hydrocarbon feed rate exceeds 60,000 lb/hr:
- A. Emissions of NO<sub>x</sub> shall not exceed 0.065 lb NO<sub>x</sub> per MMBtu on an hourly average basis based on the HHV of the fuel fired and 0.05 lb NO<sub>x</sub> per MMBtu on a rolling 12- month basis, based on the HHV of the fuel fired.
  - B. Emissions of CO shall not exceed an hourly maximum of 100 ppm<sub>vd</sub>, corrected to 3% oxygen and a 12-month rolling average of 30 ppm<sub>vd</sub>, corrected to 3% oxygen.
10. The short-term emission limits (hourly averages) identified in Special Conditions Nos. 7, 8, and 9 do not apply during the following planned operational scenarios for the Pyrolysis Furnaces (EPNs OC6S1 to OC6S10): **(11/21)**
- A. Adjustment for Furnace Feed In/Out Mode, defined as the period when the load and/or feed between furnaces is being adjusted for process optimization.
  - B. Dryer Regeneration, defined as the period that starts when plant off-gas is used to regenerate dryers to remove water from the final product.

- C. Fuel Gas Change Mode, defined as the period when fuel used in the furnace is transitioned to utilize off-gas from other on-site facilities or process variability on product off-gas recovery equipment.
  - D. Utility System Changes, defined as the period beginning when the air-to-fuel ratio drops below its stable operating point and ending when the air-to-fuel ratio is stabilized.
11. Emissions from Thermal Oxidizer (TOX) No. 1, EPN OC6S2000, tested according to Special Condition No. 32 shall not exceed 0.10 lb CO/MMBtu (CO emissions) or 0.15 lb NO<sub>x</sub>/MMBtu (NO<sub>x</sub> emissions) based on the HHV of heat input. **(PSD)**
12. Except for those periods described in 30 TAC § 111.111(a)(1)(E), opacity of emissions from all sources authorized by this permit shall meet one of the following conditions:
- A. Opacity of emissions from all sources authorized by this permit shall not exceed 10 percent averaged over a six-minute period.
  - B. Opacity of emissions from each of the pyrolysis furnaces shall not exceed 5 percent averaged over a six-minute period.

#### Sulfur Specifications

13. If any concentrations of sulfur and/or hydrogen sulfide (H<sub>2</sub>S) in fuel gas, process, and feedstock streams exceed the following levels based on the sampling frequency in Special Condition No.33 G, then additional records shall be maintained to demonstrate that no emission rate is exceeded throughout the duration of the exceedance of the maximum concentration:

Fuel/Feedstock/Process Stream	Maximum Concentration
Natural Gas	0.5 grain sulfur/100 scf
Pyrolysis Furnace Off-Gas Fuel	0.1 ppm H <sub>2</sub> S
Cracked Gas (following Dryer)	0.1 ppm H <sub>2</sub> S
Fuel Oil Tanks V-1505 and V-1916 Vent Gas	0.05 percent sulfur by weight
Naphtha/Condensate Feedstocks	1,000 ppm sulfur
LPG/Feedstock	1,000 ppm sulfur

#### Storage Tank Requirements

14. The following storage tanks shall comply with the requirements specified in A-J below: Pyrolysis Gasoline Storage Tanks V-1101A and V-1101B (EPNs OC6ST1101A and OC6ST1101B), Condensate/Naphtha Storage Tank V-1901 (EPN OC6ST1901), and V-1905 (EPN OC6ST1905). Fixed-roof tanks with flares are considered equivalent control for the purpose of complying with this condition.
- A. Except as may be provided for in the special conditions of this permit, the control requirements specified in paragraphs B through E of this condition shall apply to all VOC storage tanks and loading operations authorized by this permit unless (1) the VOC have an aggregate partial pressure of less than 0.5 psia at the maximum expected operating temperature or (2) to storage tanks smaller than 25,000 gallons capacity.

- B. An internal floating deck or "roof" or equivalent control shall be installed in all tanks. The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof (IFR): (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal. Installation of equivalent control requires prior review and approval by the TCEQ Executive Director.
  - C. An open-top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an IFR tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal, and the secondary seal is rim-mounted. A weather shield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
  - D. For any tank equipped with a floating roof, the holder of this permit shall follow 40 CFR § 60.113b, Testing and Procedures, to verify seal integrity. Additionally, the permit holder shall follow 40 CFR § 60.115b, Reporting and Recordkeeping Requirements, to provide records of the dates seals were inspected, seal integrity, and corrective actions taken.
  - E. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650, or an equivalent degree of flotation, except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.
  - F. Uninsulated tank exterior surfaces exposed to the sun shall be white or aluminum.
  - G. For purposes of assuring compliance with VOC emission limitations, the holder of this permit shall maintain a monthly emissions record which describes calculated emissions of VOC from all storage tanks and loading operations. The record shall include tank or loading point identification number, control method used, tank or vessel capacity in gallons, name of the material stored or loaded, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, and VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures. These records shall be maintained at the plant site for at least two years and be made available to representatives of the TCEQ upon request.
  - H. If throughput records are specified in the special conditions of this permit, the holder of this permit may keep such records in lieu of the records required in paragraph G.
  - I. Emissions for tanks and loading operations shall be calculated using: (a) AP-42 "Compilation of Air Pollution Emission Factors, Chapter 12 - Storage of Organic Liquids" and (b) the TCEQ publication titled "Technical Guidance Package for Chemical Sources-Storage Tanks."
  - J. Operation without visible liquid leaks or spills shall be maintained at all loading and unloading facilities regardless of vapor pressure. This does not apply to momentary dripping associated with the initial connection or disconnection of fittings. Sustained dripping from fittings during loading and unloading operations is not permitted. Any liquid spill that occurs during loading and unloading activities shall be reported pursuant to 30 TAC § 101.6 or § 101.7 and shall be cleaned up immediately to minimize air emissions.
15. Emissions from Storage Tanks V-1505 and V-1916 (EPN OCST1505 and OCST1916) shall be routed to the South Tank Farm Vent Flare (EPN OC6F902).
16. Emissions from Storage Tank D-91 are only authorized during loading. Emissions shall be routed to the FS-1 Elevated Flare (EPN OC6F1), GF-500 Multipoint Ground Flare (EPN OC2F500), or FX-2000 Thermal Oxidizer (EPN OC6S2000). Emissions routed to EPNs OC6F1, OC2F500, and OC6S2000

are limited to occur only 52 hours per year. Records of loading events shall be recorded and maintained in order to determine compliance with this special condition. **(09/22)**

17. The service of the tanks in this permit is limited to the storage of chemicals previously approved or that are covered by an applicable permit by rule. Storage of other chemicals is prohibited unless prior approval for such storage is obtained from the Executive Director of the Texas Commission on Environmental Quality (TCEQ). It will not be necessary to receive reapproval for chemicals previously approved for storage in a specific tank.

#### **Fugitive Emission Leak Detection and Repair Requirements**

18. Process equipment within the Ethylene Process Area (EPN OC6FU01) and the South Tank Farm No. 1 Fugitive Area (EPN OC6FU11) shall be monitored in accordance with the Special Condition No. 19 **(07/21)**
19. Piping, Valves, Connectors, Pumps, and Compressors - 28 VHP
  - A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pound per square inch absolute (psia) at 68°F or (2) where the operating pressure is at least 5 kilopascals (0.725 pound per square inch [psi]) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.
  - B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
  - C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.
  - D. To the extent that good engineering practice will permit, new and reworked valves, and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined by Texas Commission on Environmental Quality (TCEQ) 30 TAC Chapter 115, shall be identified in a list to be made available upon request.
  - E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically-tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.
  - F. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.
  - G. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

- H. An approved gas analyzer shall conform to requirements listed in Title 40 Code of Federal Regulations (40 CFR) § 60.485(a)-(b).
  - I. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.
  - J. Except as may be provided for in the special conditions of this permit, all pump and compressor seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.
  - K. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump and compressor seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired.
  - L. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or his designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.
  - M. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or his designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.
  - N. Alternative monitoring frequency schedules of 30 TAC §115.352 through §115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.
  - O. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standards (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
20. In addition to the weekly physical inspection for connectors specified in Special Condition No. 19 E, 90 percent of the hot insulated connectors associated with the Ethylene Process Area (EPN OC6FU01) and the South Tank Farm No. 1 Fugitive Area (EPN OC6FU11) shall be monitored at least annually with an approved gas analyzer as specified for valves in Special Condition No. 19G. Alternative monitoring frequency schedules of Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, may be used in lieu of the monitoring frequency required by this condition. Compliance with this condition does not

assure compliance with requirements of applicable state or federal regulation and does not constitute approval of alternative standards for these regulations. **(07/21)**

21. Piping, Valves, Pumps, and Compressors in Chlorine (Cl<sub>2</sub>) and Hydrogen Chloride (HCl) Service

The Ethylene Process Area Fugitives (EPN OC6FU01) is subject to the physical fugitive emission monitoring requirements specified in paragraphs A through C of this condition.

- A. Auditory, visual, and olfactory (AVO) checks for HCl and Cl<sub>2</sub> leaks within the operating area shall be made at least once per shift.
- B. Immediately, but not later than one hour upon detection of a leak, plant personnel shall take one or more of the following actions:
  - (1) Isolate the leak.
  - (2) Commence repair or replacement of the leaking component.
  - (3) Use a leak collection/containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.
- C. Records shall be maintained at the plant site of all repairs and replacements resulting from Cl<sub>2</sub> or HCl leaks. These records shall be maintained for a period of five years and shall be made available to representatives of the TCEQ upon request. Records of the AVO physical inspections are not required unless a leak is detected.

**Operating Conditions**

22. The TOX (EPN OC6S2000) shall provide a minimum destruction efficiency of 99.9 percent or an exit VOC concentration of 20 ppm or less, demonstrable as indicated:

The combustion chamber temperature shall be no less than 1650°F, with a minimum residence time of one second. The exit temperature shall be continuously monitored, with data reduced to 6-minute average values by no later than 90 days after the renewed permit issuance date, and maintained at no less than 95% availability over the previous 12-month period. Sampling shall be conducted upon request as required by Special Condition No. 28.

23. Flares shall be designed and operated in accordance with the following requirements:

- A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity at all times when emissions may be vented to them.
- B. The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.
- C. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple, infrared monitor, or ultraviolet monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.
- D. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Records shall be maintained of any noncompliance

and the associated corrective action taken. This shall be ensured by the use of steam assist to flares FS-1, FS-1018, and GF-500 (EPNs OC6F1, OC6F1018 and OC2F500). **(08/20)**

- E. The permit holder shall install a continuous flow monitor and composition analyzer that provide a record of the vent stream flow and Btu content to flares FS-1, FS-1018, and GF-500 (EPNs OC6F1, OC6F1018 and OC2F500). The permit holder shall maintain a continuous flow monitor that provides a record of vent stream flow and, by August 1<sup>st</sup>, 2023, install a calorimeter that provides a record of the Btu content to flare FS-902 Tank Farm Vent Flare (EPN OC6F902). The flow monitor sensor and analyzer sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Readings from the composition analyzer shall be taken at least once every 15 minutes and the average hourly values of the flow and composition (or Btu content) shall be recorded each hour. **(12/22)**
  - F. The monitors shall be calibrated or have a calibration check performed on an annual basis to meet the following accuracy specifications: the flow monitor shall be  $\pm 5.0\%$ , temperature monitor shall be  $\pm 2.0\%$  at absolute temperature, and the pressure monitor shall be  $\pm 5.0$  mm Hg.
  - G. The monitors and analyzers shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a rolling 12-month period. Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR §§60.18(f)(3) and 60.18(f)(4) shall be recorded at least once every hour. Hourly mass emission rates, except for sulfur dioxide, shall be determined and recorded using the above readings and the emission factors provided in TCEQ Technical Supplement RG-360/14, May 2015, Table A-7, or AP-42 5<sup>th</sup> Edition, July 1998 update, Table 1.4-2. Sulfur dioxide mass emissions shall be determined using the emissions factors determined by natural gas testing information referenced in Special Condition No. 33 G or the natural gas contract maximum concentration limit provided in Special Condition No. 13. **(12/22)**.
  - H. Flares FS-1, FS-1018, and GF-500 (EPNs OC6F1, OC6F1018 and OC2F500) shall operate in accordance with the 40 CFR 63 Subpart YY "National Emission Standards for Hazardous Air Pollutants: Generic Maximum Achievable Control Technology Standards Residual Risk and Technology Review for Ethylene Production" dated July 6, 2020. Compliance with the requirements of this paragraph shall begin July 6, 2023, as discussed in Alternative Method of Compliance (AMOC) No. 62 referenced in Attachment D. EPN OC2F500 in this permit is represented as OC2GF500 in the AMOC 62. Prior to the effective date listed in AMOC-62, Paragraphs A through G of this Special Condition shall apply to the flares. **(03/23)**
24. The following requirements apply to the vent gas capture systems for all flares.
- A. Conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once each calendar year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
  - B. Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or once a month, inspect the valves, verifying the position of the valves and the condition of the car seals prevent flow out the bypass.

- C. The date and results of each inspection performed shall be recorded. If the results of any inspection are not satisfactory, the deficiencies shall be recorded and the permit holder shall promptly take necessary corrective action, recording each action with the date completed.
25. The following shall apply to vent gas streams not controlled by a flare in accordance with 30 TAC Chapter 115 (§115.725 and §115.726): **(07/21)**
- A. A continuous monitoring system shall be installed, calibrated, and maintained in accordance with manufacturer's recommendations. The monitoring system shall be able to monitor the following:
    - (1) The time and duration of each pressure relief event.
    - (2) The status of the pressure relief valve as either open or closed to the atmosphere or the percentage the valve is open to the atmosphere.
    - (3) The volumetric flow rate during each pressure relief event.
  - B. The following records shall be maintained:
    - (1) Date, time, duration, volumetric flow rate, and speciated and total HRVOC emission rates on a lb/hr basis for each pressure relief event.
    - (2) Hourly records of parameter monitoring.
    - (3) Records of all process information, monitored data, and calculations used to determine volumetric flow rate and HRVOC hourly emission data.
    - (4) Records of the monitoring plans.
  - C. Compliance with Special Condition No. 25A and 25.B may be waived for pressure relief valves (PRVs) by following Alternative Method of Compliance (AMOC) No. 175, referenced in Attachment D. The permit holder shall attach a copy of AMOC No. 175 to this permit. **(03/23)**
26. The LHC-8 Unit Cooling Tower (EPN OC6CT800) shall be monitored in accordance with the Special Condition No. 27. Corrective action shall be taken when the VOC concentration in the combined water return at the cooling tower exceeds 50 parts per billion (ppb) as required by TCEQ approved sampling methods.
27. The holder of this permit shall perform monthly sampling and other testing as necessary to establish the pounds per hour of VOC being emitted into the atmosphere from the cooling tower (EPN OC6CT800) as indicated in the following special conditions of this permit. All sampling and testing methods shall be subject to approval of the TCEQ Executive Director prior to their implementation.
- A. The VOC concentration (ppmv) in the exhaust from the air stripping system or equivalent and the corresponding pounds of strippable VOC/gallon of cooling water should be reported. The first 12 months of sampling data will be used to determine the level (either ppmv or lb/VOC/gal) at which a leak into cooling water will be assumed in the ongoing monitoring program. Within 30 days after completion of sampling, copies of the test report shall be submitted to the TCEQ Air Permits Division and the TCEQ Houston Regional Office.
  - B. The VOC associated with cooling tower water shall be monitored monthly with an approved air stripping system or equivalent. The appropriate equipment shall be maintained such that fugitive VOC emissions from the cooling tower are minimized. Faulty equipment (as indicated by VOC concentrations above the level determined in paragraph A) shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs. The results of the monitoring and maintenance efforts shall be recorded and such



records shall be maintained for a period of two years. The records shall be made available to the TCEQ Executive Director upon request.

- C. In lieu of paragraph A of this condition, Cooling Tower Water Systems subject to 40 CFR § 63.104(b) HON or subject to 40 CFR §63.1086 of Subpart XX may be monitored monthly for VOC leakage from heat exchangers in accordance with these requirements. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs. Results of the monitoring and maintenance effort shall be recorded.
- D. The plant's cooling water shall be sampled daily for conductivity; results shall be used to demonstrate compliance with the representation in the February 13, 2006 application. These records shall be maintained for five years and made available to the TCEQ upon request. Loss of valid data due to periods of instrument breakdown, data recording failure, circumstances or conditions beyond the permit holders operational control (e.g., drought, natural disasters, etc.), repair, maintenance, or calibration may be exempted provided the period does not exceed 5 percent of the time in days that the CTW system operated over the previous rolling 12 month period. The measurements missed shall be estimated using good engineering judgment and the method used shall be recorded.

### **Stack Sampling**

- 28. All stack emission testing performed to establish an initial determination of compliance for this permit, including all testing to demonstrate compliance when increasing combustion device firing rates, shall be performed in accordance with paragraphs A through K below. The testing shall be used to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the specified sources authorized by this permit. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Additional stack testing requirements as specified in the special conditions of this permit may also apply.
  - A. The TCEQ Houston Regional Office shall be contacted as soon as any testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.
  - B. The notice shall include:
    - (1) Date for pretest meeting.
    - (2) Date sampling will occur.
    - (3) Name of firm conducting sampling.
    - (4) Type of sampling equipment to be used.
    - (5) Method or procedure to be used in sampling.
  - C. The purpose of the pretest meetings is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.
  - D. A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or the U.S. Environmental Protection Agency (EPA) sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Houston Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

- E. Requests to waive testing for any pollutant specified in the special conditions of this permit shall be submitted to the TCEQ Austin Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for NSPS testing which must have EPA approval shall be submitted to the TCEQ Regional office.
  - F. Air contaminants to be tested for include those specified in the special conditions of this permit or other air contaminants as specified by the Executive Director of the TCEQ.
  - G. Sampling shall occur as specified in the special conditions of this permit or at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Houston Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval, and requests shall be submitted to the TCEQ Houston Regional Office.
  - H. All emission sources undergoing stack testing shall operate at their maximum possible rates during all testing. Primary operating parameters that enable determination of the maximum rates shall be monitored and recorded during all stack testing. These parameters are to be determined at the pretest meetings. If any sources are unable to operate at their maximum rates during emission testing, then future rates may be limited to the rates established during testing. If the operational maximum production rates exceed by more than 10% those determined during the initial test period, stack sampling shall be performed at the new operating conditions no later than 120 days after the initial exceedance. Requests to waive testing for any pollutant identified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate equivalent procedure proposals for Title 40 Code of Federal Regulation Part 60 (40CFR Part 60) testing which must have EPA approval shall be submitted to the TCEQ Houston Regional Office.
  - I. Two copies of all final sampling reports shall be forwarded to the TCEQ within 90 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
  - J. One copy of each report to the TCEQ Houston Regional Office.
  - K. One copy of each report to the Brazoria County Air Pollution Control Program, Angleton.
29. Initial compliance testing may be waived for those sources authorized by this permit that have existing TCEQ-approved stack emission test data, either from previous initial or continuing compliance testing required by previous permits or Boiler and Industrial Furnace compliance burns required by previous permits, that demonstrates compliance with (1) the permit emission rates and (2) any applicable removal efficiency or destruction and removal efficiency (DRE) as specified in the special conditions of this permit. Except as may be specified in the special conditions of this permit, stack testing performed in accordance with Special Condition No. 28 is required before a source can exceed either the mass emission rate or the firing rate limitations established by the previous permit.

#### **Initial Determination of Compliance**

30. Compliance testing of LHC-8 Pyrolysis Furnace F-8 was conducted on June 28, 2000, and June 29, 2000, to demonstrate compliance with NO<sub>x</sub> and CO emission limits. The permit holder shall perform additional stack sampling and other testing if requested by the TCEQ Regional Office to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from any pyrolysis furnace. Except as may be provided for in paragraphs A - D below, all pyrolysis furnace testing shall be performed in accordance with the requirements of Special Condition No. 28.

- A. Air contaminants from the pyrolysis furnaces to be tested for include (but are not limited to) NO<sub>x</sub> and CO.
  - B. Fuel gas flow rates in standard cubic feet per minute (scfm), furnace heat duty in MMBtu/hr, coil outlet temperatures in degrees Fahrenheit (F), and furnace oxygen (O<sub>2</sub>) levels (wet basis) shall be monitored and recorded during the stack testing.
  - C. At a minimum, stack emission testing shall occur at each of the following furnace operating conditions to demonstrate compliance with the requirements of Special Condition No. 8:
    - (1) Maximum coil outlet temperature (in degrees F), maximum fuel gas usage (scfm and MMBtu/hr), and maximum O<sub>2</sub> levels (wet basis).
    - (2) Maximum fuel gas usage (scfm and MMBtu/hr) and minimum O<sub>2</sub> levels (wet basis).
  - D. After the initial compliance test is completed, stack sampling shall be repeated in accordance with the requirements of this condition every five years. Either one of the Furnaces (F-8 or F-10) may be tested at those time intervals. Future repetitive testing is not applicable to any unit with a NO<sub>x</sub> and CO continuous emission monitoring system (CEMS) or predictive emission monitoring system (PEMS).
31. Compliance testing for the seven original LHC-8 Pyrolysis Furnaces was conducted on the following dates: March 25-31, 1995 for F3-F7; May 23-29, 1995 for F1 and F2; July 6, 1995 for F7; and September 7, 1995 for F6. Compliance testing for TOX No. 1 was conducted on March 24-30, 1995. Stack sampling for NO<sub>x</sub> and CO emissions from two of the seven original pyrolysis furnaces and the TOX No. 1 shall be repeated every five years in conformity with Special Condition No. 28 G. In addition, additional stack emission testing of these sources may be required pursuant to Special Condition No. 28G at the discretion of representatives of the TCEQ Houston Regional Office. Future repetitive testing is not applicable to any unit with a NO<sub>x</sub> and CO, CEMS, or PEMS.

#### **Continuous Determination of Compliance**

32. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentration of CO, NO<sub>x</sub>, and O<sub>2</sub> from the Pyrolysis Furnaces (EPNs OC6S1 through OC6S10) and the concentration of O<sub>2</sub> from TOX No. 1 (EPN OC6S2000).

Demonstration of continuous compliance with CEMS/PEMS may be met for these units by compliance with Chapter 117 requirements in lieu of this condition. **(PSD)**

- A. All CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division in Austin for the requirements to be met.
- B. For sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F, the following applies:
  - (1) The holder of this permit shall assure that all CEMS meet the applicable quality assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the TCEQ Houston Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Houston Regional Director.

- (2) For sources not subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F, the following applies:

Each system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using cylinder gas audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.
  - (3) The requirements of 40 CFR Part 60, Appendix F apply only to those sources for which an NSPS subpart specifically requires both a continuous monitoring system and that the continuous monitoring system be used to demonstrate compliance with emission limits on a continuous basis.
- C. All CGA exceedances of  $\pm 15$  percent accuracy and any CEMS downtime shall be reported to the TCEQ Houston Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Houston Regional Director.
  - D. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the applicable permit allowable emission rate at least once every month.
  - E. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions and emission limitations of this permit.
  - F. For monitors required by an applicable NSPS, the TCEQ Houston Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.
  - G. Quality assured (or valid) data must be generated when the Pyrolysis Furnaces and TOX No. 1 are operating except during the performance of a daily zero and span check. Loss of valid data due to periods of computer system failure, monitor break down, out of control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the Pyrolysis Furnaces (EPNs OC6S1 through OC6S10) and TOX No. 1 (EPN OC6S2000) operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Director. **(PSD)**

### Recordkeeping Requirements

- 33. The following data shall be recorded and maintained by the permit holder for five years and shall be made available upon request to representatives of the TCEQ, EPA, or any local air pollution control

program having jurisdiction. Loss of valid data may be treated as specified in Special Condition No. 32 G:

- A. Pyrolysis Furnaces (individual records for each Furnace, EPNs OC6S1 through OC6S10):
  - (1) The CEMS/PEMS percent NO<sub>x</sub>, CO, and O<sub>2</sub> in stack, hourly average values.
  - (2) The CEMS analyzer maintenance and calibration records.
  - (3) Daily average fuel flow rates in MMBtu HHV/hour.
  - (4) All stack sampling and quarterly quality-assurance data. **(PSD)**
- B. Thermal Oxidizer No. 1 (EPN OC6S2000):
  - (1) Percent O<sub>2</sub> in stack, hourly average values.
  - (2) The O<sub>2</sub> analyzer maintenance and calibration records.
  - (3) All stack sampling reports and data.
  - (4) Combustion chamber exit temperature records for those periods when the hourly average exit temperature is less than 1650°F.
- C. Cooling Towers (EPN OC6CT800):
  - (1) Monthly sample of cooling tower return water VOC (ppmv and lb/hr).
  - (2) Records of all corrective actions taken for faulty cooling tower equipment.
- D. Fugitives (EPNs OC6FU01, OC6FU11): **(07/21)**
  - (1) LHC-8 equipment excluded from the permitted LHC-8 LDAR program of Special Condition Nos. 18, 19, and 20.
  - (2) List of all non-accessible valves specified in Special Condition No. 19 D.
  - (3) Results of the fugitive monitoring and maintenance program as specified in Special Condition No. 19 M.
  - (4) Repairs and replacements resulting from chlorine and/or hydrogen chloride leaks as specified in Special Condition No. 21.
- E. Storage Tanks (EPNs OC6ST1101A, OC6ST1101B, OC6ST1505, OC6ST1901, and OC6ST1916):
  - (1) Monthly flow in or out of each VOC storage tank.
  - (2) Records of visual inspections as required in Special Condition No. 14 D.
  - (3) Records of VOC emissions as specified in Special Condition No. 14 G including total tons of emissions after control for the previous month and year to date. Emissions shall be calculated as specified in Special Condition No. 14 I.
- F. Diesel Engine (EPN OC6GE03): **(07/21)**
  - (1) Records of hours of operation each month
- G. Sulfur in Fuel Gas and Feedstocks:
  - (1) Records of the total sulfur concentration in fuels, process streams, and feedstocks as required by Special Condition No. 13.

- (a) Natural Gas: grains of sulfur per 100 standard cubic feet (scf) measured initially and annually during the first quarter of each year, and
    - (b) Feedstocks/Process Streams: ppm sulfur measured within 90 days of first use and then annually during the first quarter of each year when used, or
  - (2) In lieu of the feedstock and natural gas testing specified above, a copy of the natural gas or feedstock purchase contract or purchase specification that indicates the natural gas and feedstock stream sulfur content to be used with flowrate data to demonstrate compliance as required by (1) (a) of this condition.
- H. Documentation sufficient to demonstrate compliance with the emission rates listed on the attached table entitled "Emission Sources – Maximum Allowable Emission Rates."

### **Netting and Offsets**

- 34. This Nonattainment New Source Review (NNSR) permit (N264; NSR amendment application, PI-1 dated May 21, 2019 and as updated) is issued/approved based on the requirement that the permit holder offset the project emission increase for facilities authorized by this permit prior to the commencement of operation, through participation in the TCEQ Emission Banking and Trading (EBT) Program in accordance with the rules in 30 TAC Chapter 101, Subchapter H. **(08/20)**
- 35. The permit holder shall use 31.2 tons per year (tpy) of NO<sub>x</sub> credits to offset the 26.00 tpy NO<sub>x</sub> project emission increase for the facilities authorized by this permit at a ratio of 1.20 to 1.0. **(08/20)**
- 36. Prior to the commencement of operation, the permit holder shall obtain approval from the TCEQ EBT Program for the credits being used and then submit a permit alteration or amendment request to the TCEQ Air Permits Division (and copy the TCEQ Regional Office) to identify approved credits by TCEQ credit certificate number. **(08/20)**

### **Flare Coordination**

- 37. NSR Permit 20432 authorizes only the emissions from The Dow Chemical Company's Light Hydrocarbons (LHC)-8 Unit. Braskem America, Inc.'s NSR Permit 37884 utilizes flares contained in NSR 20432 that are owned by The Dow Chemical Company. Texas Emissions Inventory emissions from NSR Permit 20432 are reported only by The Dow Chemical Company and do not include emissions from NSR 37884. Contemporaneous netting analysis as a result of Federal Prevention of Significant Deterioration and Nonattainment applicability for NSR Permit 20432 are completed by The Dow Chemical Company and do not include considerations of Braskem America, Inc. or NSR 37884. **(08/20)**

### **Maintenance, Startup, and Shutdown**

- 38. This permit authorizes emissions from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT), Attachment A, Attachment B, and Attachment C of the Special Conditions and the facilities covered by this permit are authorized to emit subject to the emission rate limits on the MAERT and other requirements specified in the special conditions. **(07/21)**

39. This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: portable thermal oxidizer (EPN OC6TOT) identified in Special Condition No. 46. Emissions from temporary facilities are authorized provided the temporary facility (a) does not remain on the plant site for more than 12 consecutive months, (b) is used solely to support planned MSS activities at the permanent site facilities listed in this Attachment, and (c) does not operate as a replacement for an existing authorized facility.

Attachment A identifies the inherently low emitting MSS activities that may be performed at the plant. Emissions from activities identified in Attachment A shall be considered to be equal to the potential to emit represented in the permit application. The estimated emissions from the activities listed in Attachment A must be revalidated annually. This revalidation shall consist of the estimated emissions for each type of activity and the basis for that emission estimate.

Routine maintenance activities, as identified in Attachment B may be tracked through the work orders or equivalent. Emissions from activities identified in Attachment B shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity identified in the permit application.

The performance of each planned MSS activity not identified in Attachments A or B and the emissions associated with it shall be recorded and include at least the following information: **(07/21)**

- A. The process unit at which emissions from the MSS activity occurred, including the emission point number and common name of the process unit;
  - B. The type of planned MSS activity and the reason for the planned activity;
  - C. The common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
  - D. The date and time of the MSS activity and its duration;
  - E. The estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practices.
40. Process units and facilities, with the exception of those identified in Special Conditions 43, 44, and Attachment A shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements. **(07/21)**
- A. The process equipment shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid. Equipment that only contains material that is liquid with VOC partial pressure less than 0.50 psi at the normal process temperature and 95°F may be opened to atmosphere and drained in accordance with paragraph C of this special condition. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.
  - B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC partial pressure is greater than 0.50 psi at either the normal process temperature or 95°F, any vents in the system must be routed to a control device or a controlled recovery system. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.

- C. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids must be drained into a closed vessel or closed liquid recovery system unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained.
- D. If the VOC partial pressure is greater than 0.50 psi at the normal process temperature or 95°F, facilities shall be degassed using good engineering practice to ensure air contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. The facilities to be degassed shall not be vented directly to atmosphere, except as necessary to establish isolation of the work area or to monitor VOC concentration following controlled depressurization. The venting shall be minimized to the maximum extent practicable and actions taken recorded. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.
  - (1) For MSS activities identified in Attachment B, the following option may be used in lieu of (2) below. The facilities being prepared for maintenance shall not be vented directly to atmosphere until the VOC concentration has been verified to be less than 10 percent of the lower explosive limit (LEL) per the site safety procedures.
  - (2) The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded (process flow diagrams [PFDs] or piping and instrumentation diagrams [P&IDs] may be used to demonstrate compliance with the requirement). If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system before the vent stream may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition 41. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. If there is not a connection (such as a sample, vent, or drain valve) available from which a representative sample may be obtained, a sample may be taken upon entry into the system after degassing has been completed. The sample shall be taken from inside the vessel so as to minimize any air or dilution from the entry point. The facilities shall be degassed to a control device or controlled recovery system until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. Documented site procedures used to de-inventory equipment to a control device for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above.
- E. Gases and vapors with VOC partial pressure greater than 0.50 psi may be vented directly to atmosphere if all the following criteria are met:
  - (1) It is not technically practicable to depressurize or degas, as applicable, into the process.
  - (2) There is not an available connection to a plant control system (flare).



- (3) There is no more than 50 lb of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.

All instances of venting directly to atmosphere per Special Condition 40.E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order or equivalent for those planned MSS activities identified in Attachment B.

41. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below. **(07/21)**

- A. VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR 60, Appendix A) with the following exceptions:

- (1) The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor (RF) of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate (RF) shall be recorded. If the RF of the VOC (or mixture of VOCs) to be monitored is greater than 2.0, the VOC concentration shall be determined as follows:

VOC Concentration = Concentration as read from the instrument\*RF

In no case should a calibration gas be used such that the RF of the VOC (or mixture of VOCs) to be monitored is greater than 5.0.

- (2) Sampling shall be performed as directed by this permit in lieu of section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes, recording VOC concentration each minute. As an alternative the VOC concentration may be monitored over a five-minute period with an instrument designed to continuously measure concentration and record the highest concentration read. The highest measured VOC concentration shall be recorded and shall not exceed the specified VOC concentration limit prior to uncontrolled venting.

- B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.

- (1) The air contaminant concentration measured as defined in Special Condition 41.B(3) is less than 80 percent of the range of the tube and is at least 20 percent of the maximum range of the tube.
- (2) The tube is used in accordance with the manufacturer's guidelines.
- (3) At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:

measured contaminant concentration (ppmv) < release concentration.

Where the release concentration is:

10,000\*mole fraction of the total air contaminants present that can be detected by the tube.

The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.

- C. Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.

- D. Lower explosive limit measured with a lower explosive limit detector.
  - (1) The detector shall be calibrated within 30 days of use with a certified pentane gas standard at 25% of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
  - (2) A functionality test shall be performed on each detector within 24 hours of use with a certified gas standard at 25% of the LEL for pentane. The LEL monitor shall read no lower than 90% of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
  - (3) A certified methane gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane.
- 42. This condition applies only to piping and components subject to leak detection and repair monitoring requirements identified in the permit. Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period; **(07/21)**
  - A. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
  - B. the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once by the end of the 72 hours period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.
- 43. This permit authorizes emissions from EPNs OC6ST1101A, OC6ST1101B, OC6ST1901, and OC6ST1905 for the storage tanks identified in the permit application during planned floating roof landings. Tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application. Emissions from change of service tank landings, for which the tank is not cleaned and degassed, shall not exceed 10 tons of VOC in any rolling 12 month period. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings. **(07/21)**
  - A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process.
  - B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at 95°F, tank refilling or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. The tank shall not be opened

except as necessary to set up for degassing and cleaning. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:

- (1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.
  - (2) The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design.
  - (3) A volume of purge gas equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-up air introduced into the control device or recovery system. The VOC sampling and analysis shall be performed as specified in Special Condition 41.
  - (4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.
  - (5) Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.
- C. The tank shall not be opened or ventilated without control, except as allowed by (1) or (2) below until one of the criteria in part D of this condition is satisfied.
- (1) Minimize air circulation in the tank vapor space.
    - (a) One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. Other manways or access points may be opened as necessary to remove or de-volatilize the remaining liquid. Wind barriers shall be installed at all open manways and access points to minimize air flow through the tank.
    - (b) Access points shall be closed when not in use
- D. The tank may be opened without restriction and ventilated without control, after all standing liquid has been removed from the tank or the liquid remaining in the tank has a VOC partial pressure less than 0.02 psia. These criteria shall be demonstrated in any one of the following ways.
- (1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if practicable. The estimated volume of liquid remaining in the drained tank and the volume

and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.

- (2) If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:
  - (a) Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR 435 Subpart A Appendix 1.
  - (b) Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1000 ppmw using EPA method 1664 (may also use 8260B or 5030 with 8015 from SW-846).
  - (c) Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1000 ppmv through the procedure in Special Condition 41.
- (3) No standing liquid verified through visual inspection.

The permit holder shall maintain records to document the method used to release the tank.

- E. Tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exception:
  - (1) The vapor space below the tank roof is directed to a control device when the tank is refilled until the roof is floating on the liquid. The control device used and the method and locations used to connect the control device shall be recorded. All vents from the tank being filled must exit through the control device.
- F. The occurrence of each roof landing and the associated emissions shall be recorded and the rolling 12-month tank roof landing emissions shall be updated on a monthly basis. These records shall include at least the following information:
  - (1) the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;
  - (2) the reason for the tank roof landing;
  - (3) for the purpose of estimating emissions, the date, time, and other information specified for each of the following events:
    - (a) the roof was initially landed,
    - (b) all liquid was pumped from the tank to the extent practical,
    - (c) start and completion of controlled degassing, and total volumetric flow,
    - (d) all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC partial pressure to <0.02 psi,
    - (e) if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,
    - (f) refilling commenced, liquid filling the tank, and the volume necessary to float the roof; and
    - (g) tank roof off supporting legs, floating on liquid;

- (4) the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events c and g with the data and methods used to determine it. The emissions associated with roof landing activities shall be calculated using the methods described in Sections 7.1.3.3 and 7.1.3.4 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 – Liquid Storage Tanks" dated March 2020 and the permit application.
- 44. Fixed roof storage tanks are subject to the requirements of Special Condition 43.C and 43.D. If the ventilation of the vapor space is controlled, the emission control system shall meet the requirements of Special Condition 43.B.(1) through 43.B.(4). Records shall be maintained per Special Condition 43.F.(3)c through 43.F.(3)e, and 43.F.(4). **(07/21)**
- 45. Additional occurrences of MSS activities authorized by this permit may be authorized under permit by rule only if conducted in compliance with this permit's procedures, emission controls, monitoring, and recordkeeping requirements applicable to the activity. **(07/21)**
- 46. Control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device. **(07/21)**
  - A. The plant flare system (EPNs OC6F1 and OC2F500):
    - (1) The heating value and velocity requirements in 40 CFR 60.18 shall be satisfied during operations authorized by this permit.
    - (2) The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.
    - (3) All flares shall operate in accordance to Special Condition No. 23.
  - B. A portable thermal oxidizer (EPN OC6TOT) shall be used for control of the external floating roof degassing emissions and meet the following requirements:
    - (1) The thermal oxidizer firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the oxidizer.
    - (2) The thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of  $\pm 0.75$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 2.5^{\circ}\text{C}$ .

Date: March 07, 2023

**Permit 20432, N274, and PSDTX994M2**

Attachment A

Inherently Low Emitting Activities

Activity	Emissions				
	VOC	NO <sub>x</sub>	CO	PM	H <sub>2</sub> S/SO <sub>2</sub>
Instrument, analyzer maintenance	x				
Relief device maintenance	x				

Date: July 23, 2021

**Permit 20432, N274, and PSDTX994M2**

Attachment B

Routine Maintenance Activities

The following planned maintenance activities are for isolated piping that has been depressured and purged to the process:

Line breaks, small piping ( $\leq 0.04 \text{ ft}^3$  physical internal volume)

Line breaks, large piping ( $\leq 0.39 \text{ ft}^3$  physical internal volume)

Pipe opening ( $\leq 8.73 \text{ ft}^3$  physical internal volume)

Pump opening ( $\leq 5 \text{ ft}^3$  physical internal volume)

Compressor opening ( $\leq 50 \text{ ft}^3$  physical internal volume)

Date: July 23, 2021

**Permit 20432, N264, and PSDTX994M2**

**Attachment C**

**MSS Activity Summary**

<b>Facilities</b>	<b>Description</b>	<b>Emissions Activity</b>	<b>EPN</b>
All process drums, exchanges, towers	Cleared and degassed for planned maintenance opening	Vent to atmosphere	OC6MEFU1
Tanks V-1101A, V-1101B, V-1901, V-1905	Equipment opening	Vent to atmosphere	OC6MEFU1
Tanks V-1101A, V-1101B, V-1901, V-1905	Standing idle losses <sup>1</sup>	Vent to atmosphere	OC6MEFU1
Tank V-1905	Equipment degassing for Tank V-1905 <sup>1, 2</sup>	Vent to atmosphere	OC6MEFU1
Tanks V-1101A, V-1101B, V-1901	Equipment degassing <sup>1</sup>	Degassing to portable thermal oxidizer	OC6TOT
Isolated Piping and Components in LHC-8	Purged piping and components opened for maintenance and repair	Vent to atmosphere	OC6MEFU1

<sup>1</sup>Emissions from standing idle losses and degassing are not included in the annual emissions summary for Attachment C activities. These tanks are only landed for inspection purposes on a 10-year frequency.

<sup>2</sup>Emissions from V-1905 are represented to be degassed to atmosphere, however for operational flexibility they could be degassed to the portable thermal oxidizer. The current representation for the portable thermal oxidizer is considered to be worst case.

Date: July 23, 2021



**Permit 20432, N264, and PSDTX994M2**

Attachment D

Authorization Incorporation

The following sources and/or activities are incorporated in this permit.

Authorization	Date Authorized	Source or Activity
AMOC No. 62	September 21, 2022	Allows compliance with the process vent provisions of 40 CFR 63, Subpart YY and bypass provisions of 40 CFR 63 Subpart SS to meet the requirements of 40 CFR 60 Subpart NNN and Subpart RRR based on conservatively calculating all VOC emissions as HAPs regardless of actual HAP concentration, flow rate, or any regulatory exclusions. Steam-assisted flares are required to comply with calibration requirements specified in Table 13 to 40 CFR 63 Subpart CC.
AMOC No. 175	May 7, 2021	The monitoring and testing requirements of 30 TAC 115, Subchapter H, Division 1: HRVOC Vent Gas Control, §115.725(c) and §115.726(c) requires PRVs not controlled by a flare to be monitored by a continuous monitoring system on the pressure relief valve or in the associated process system. AMOC 175 allows these requirements to be waived upon the installation of flare gas recovery system.

Date: March 07, 2023

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 20432, N264, and PSDTX994M2

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Routine Emissions				
OC6S1	Pyrolysis Furnace, F1	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-
OC6S2	Pyrolysis Furnace, F2	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-
OC6S3	Pyrolysis Furnace, F3	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
OC6S4	Pyrolysis Furnace, F4	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-
OC6S5	Pyrolysis Furnace, F5	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-
OC6S6	Pyrolysis Furnace, F6	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-
OC6S7	Pyrolysis Furnace, F7	CO	28.51	-
		NOx	38.54	-
		SO2	0.54	-
		PM	2.27	-
		PM <sub>10</sub>	2.27	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM <sub>2.5</sub>	2.27	-
		VOC (6)	2.08	-
		Ethylene	0.27	-
OC6S8	Pyrolysis Furnace, F8	CO	25.89	-
		NO <sub>x</sub>	22.75	-
		SO <sub>2</sub>	0.49	-
		PM	2.10	-
		PM <sub>10</sub>	2.10	-
		PM <sub>2.5</sub>	2.10	-
		VOC (6)	1.89	-
		Ethylene	0.25	-
OC6S9	Pyrolysis Furnace, F9	CO	29.59	-
		NO <sub>x</sub>	26.00	-
		SO <sub>2</sub>	0.56	-
		PM	2.08	-
		PM <sub>10</sub>	2.08	-
		PM <sub>2.5</sub>	2.08	-
		VOC (6)	2.16	-
		Ethylene	0.28	-
OC6S10	Pyrolysis Furnace, F10	CO	25.89	-
		NO <sub>x</sub>	22.75	-
		SO <sub>2</sub>	0.49	-
		PM	2.10	-
		PM <sub>10</sub>	2.10	-
		PM <sub>2.5</sub>	2.10	-
		VOC (6)	1.89	-
		Ethylene	0.25	-
OC6S1, OC6S2, OC6S3, OC6S4, OC6S5, OC6S6,	Furnace Source Group Cap (Does not include F-9 decoking)	CO	-	195.82
		NO <sub>x</sub>	-	857.60

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
OC6S7, OC6S8, OC6S9, and OC6S10		SO <sub>2</sub>	-	4.50
		PM	-	43.86
		PM <sub>10</sub>	-	43.86
		PM <sub>2.5</sub>	-	43.86
		VOC (6)	-	60.77
		Ethylene	-	2.07
OC6F902	FS-902 Tank Farm Vent Flare	CO	15.29	47.89
		NO <sub>x</sub>	1.78	5.58
		SO <sub>2</sub>	0.39	0.05
		VOC	1.64	5.15
OC6F1018	FS-1018 Vent Flare #1	CO	37.53	19.97
		NO <sub>x</sub>	7.37	3.92
		SO <sub>2</sub>	0.27	0.07
		VOC (6)	17.55	2.44
		Ethylene	2.06	0.63
		Propylene	2.07	0.29
OC6F1	FS-1 Elevated Flare (8)	CO	272.27	-
		NO <sub>x</sub>	53.43	-
		SO <sub>2</sub>	11.46	-
		VOC (6)	148.14	-
		Ethylene	143.90	-
		Propylene	138.12	-
OC2F500	GF-500 Multipoint Ground Flare (8)	CO	117.91	-
		NO <sub>x</sub>	23.14	-
		SO <sub>2</sub>	10.68	-
		VOC (6)	145.16	-
		Ethylene	143.90	-
		Propylene	138.12	-
OC6F1, OC2F500	Flare Source Group Cap (7)	CO	-	187.47

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		NO <sub>x</sub> (NA)	-	36.79
		SO <sub>2</sub>	-	0.92
		VOC (6)	-	25.18
		Ethylene	-	8.65
		Propylene	-	5.33
OC6S2000	FX-2000 Thermal Oxidizer (8)	CO	1.00	4.38
		NO <sub>x</sub>	1.50	6.57
		SO <sub>2</sub>	10.59	0.43
		PM	0.07	0.33
		PM <sub>10</sub>	0.07	0.33
		PM <sub>2.5</sub>	0.07	0.33
		VOC (6)	0.54	0.93
		Ethylene	0.20	0.39
		Propylene	0.20	0.20
OC6ST1101A	Storage Tank V-1101A	VOC	3.61	-
OC6ST1101B	Storage Tank V-1101B	VOC	3.61	-
OC6ST1901	Storage Tank V-1901	VOC	2.25	-
OC6ST1905	Storage Tank V-1905	VOC	1.84	-
OC6ST1101A, OC6ST1101B, OC6ST1901, OC6ST1905	Storage Tanks Source Group Cap	VOC	-	23.50
OC6V1005	Storage Tank V-1005	VOC	0.04	<0.01
OC6CT800	CT-800 Cooling Tower	VOC	4.54	15.90
		PM	3.65	6.74
		PM <sub>10</sub>	0.57	2.48
		PM <sub>2.5</sub>	<0.01	0.03
OC6FU01	Process Area Fugitives (5)	VOC	9.05	-
		Cl <sub>2</sub>	<0.01	-
		HCl	<0.01	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
OC6FU11	South Tank Farm #1 Fugitives (5)	VOC	0.65	-
OC6FU01, OC6FU11	Fugitive Source Group Cap (5)	VOC	-	42.46
		Cl <sub>2</sub>	-	0.04
		HCl	-	0.01
OC6GE03	Emergency Diesel Generator	CO	2.34	0.12
		NO <sub>x</sub>	10.85	0.54
		SO <sub>2</sub>	0.72	0.04
		PM	0.77	0.04
		PM <sub>10</sub>	0.77	0.04
		PM <sub>2.5</sub>	0.77	0.04
		VOC	0.86	0.04
OC6SC01	OC-602 Degreasing	VOC	0.31	1.34
OC6V1	Decoking vent F-9	CO	94.50	2.55
		PM	21.00	0.54
		PM <sub>10</sub>	21.00	0.54
		PM <sub>2.5</sub>	21.00	0.54
Furnace Source Group Cap, Flare Source Group Cap, Storage Tanks Source Group Cap, Fugitive Source Group Cap, OC6F902, OC6F1018, OC6S2000, OC6V1005, OC6CT800, OC6GE03, OC6SC01, and OC6V1	Routine Emissions Compliance Cap	CO	396.94	263.20
		NO <sub>x</sub>	277.82	877.40
		SO <sub>2</sub>	17.55	5.17
		PM	47.64	50.27
		PM <sub>10</sub>	47.64	50.27
		PM <sub>2.5</sub>	47.64	50.27
		VOC	66.74	129.60
		Cl <sub>2</sub>	0.01	0.04
		HCl	0.01	0.01
Maintenance, Startup, and Shutdown Emissions				
OC6S1	Pyrolysis Furnace F1 MSS	CO	224.42	-
OC6S2	Pyrolysis Furnace F2 MSS	CO	224.42	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
OC6S3	Pyrolysis Furnace F3 MSS	CO	224.42	-
OC6S4	Pyrolysis Furnace F4 MSS	CO	224.42	-
OC6S5	Pyrolysis Furnace F5 MSS	CO	224.42	-
OC6S6	Pyrolysis Furnace F6 MSS	CO	224.42	-
OC6S7	Pyrolysis Furnace F7 MSS	CO	224.42	-
OC6S8	Pyrolysis Furnace F8 MSS	CO	224.42	-
OC6S9	Pyrolysis Furnace F9 MSS	CO	224.42	-
OC6S10	Pyrolysis Furnace F10 MSS	CO	224.42	-
OC6F1	Flare MSS (FS-1)	CO	4927.07	-
		NO <sub>x</sub>	956.35	-
		SO <sub>2</sub>	0.45	-
		VOC (6)	8762.00	-
		Ethylene	3120.00	-
		Propylene	1200.00	-
OC2F500	Flare MSS (GF-500)	CO	1168.39	-
		NO <sub>x</sub>	225.75	-
		SO <sub>2</sub>	0.45	-
		VOC (6)	1432.05	-
		Ethylene	834.95	-
		Propylene	660.00	-
OC6F1, OC2F500	Flare MSS Emissions Annual Cap	CO	-	78.90
		NO <sub>x</sub>	-	15.32
		SO <sub>2</sub>	-	<0.01
		VOC (6)	-	74.74



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		Ethylene	-	37.11
		Propylene	-	22.15
OC6S9	Furnace Purge, H-9	CO	0.01	0.01
		VOC	0.04	0.01
OC6MEFU1	Attachment A Activities	VOC	0.09	0.01
	Attachment B Activities	VOC	3.65	0.11
	Equipment Opening (Attachment C)	VOC	283.73	0.49
OC6TOT	Portable Thermal Oxidizer	CO	1.00	0.20
		NO <sub>x</sub>	1.20	0.24
		PM	0.08	0.02
		PM <sub>10</sub>	0.08	0.02
		PM <sub>2.5</sub>	0.08	0.02
		SO <sub>2</sub>	0.07	0.04
		VOC	1.64	0.12

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - Cl<sub>2</sub> - Chlorine
  - HCl - Hydrogen Chloride
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) VOC emission rates include the ethylene and/or propylene HRVOC emissions.

Emission Sources - Maximum Allowable Emission Rates

- (7) The flare emissions authorized through this Permit are only the emissions from The Dow Chemical Company's Light Hydrocarbons (LHC)-8 Unit. Emissions resulting from the waste stream from Braskem America, Inc.'s NSR Permit 37884 controlled by any of the flares are authorized and reported by Braskem America, Inc.
- (8) The flare emissions authorized under project 342900 are in effect until the implementation of the Flare Gas Recovery project. Once this project is implemented, these emissions (DMDS emissions from D-91) should only be routed to Thermal Oxidizer (EPN OC6S2000).

Date: December 13, 2022



## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*  
**The Dow Chemical Company**  
*Authorizing the Construction and Operation of*  
**Light Hydrocarbon 7**  
*Located at Freeport, Brazoria County, Texas*  
*Latitude 28.996944 Longitude -95.346666*

Permits: 144784 and PSDTX994M1

Revision Date: April 4, 2023

Expiration Date: April 16, 2029

A handwritten signature in black ink that reads "Erin E. Chamallo".

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] <sup>1</sup>
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources-- Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] <sup>1</sup>
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. <sup>1</sup>

<sup>1</sup> Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

## Common Acronyms in Air Permits

°C = Temperature in degrees Celsius	GLCmax = maximum (predicted) ground-level concentration
°F = Temperature in degrees Fahrenheit	gpm = gallon per minute
°K = Temperature in degrees Kelvin	gr/1000scf = grain per 1000 standard cubic feet
µg = microgram	gr/dscf = grain per dry standard cubic feet
µg/m <sup>3</sup> = microgram per cubic meter	H <sub>2</sub> CO = formaldehyde
acfm = actual cubic feet per minute	H <sub>2</sub> S = hydrogen sulfide
AMOC = alternate means of control	H <sub>2</sub> SO <sub>4</sub> = sulfuric acid
AOS = alternative operating scenario	HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
AP-42 = Air Pollutant Emission Factors, 5th edition	HC = hydrocarbons
APD = Air Permits Division	HCl = hydrochloric acid, hydrogen chloride
API = American Petroleum Institute	Hg = mercury
APWL = air pollutant watch list	HGB = Houston/Galveston/Brazoria
BPA = Beaumont/ Port Arthur	hp = horsepower
BACT = best available control technology	hr = hour
BAE = baseline actual emissions	IFR = internal floating roof tank
bbl = barrel	in H <sub>2</sub> O = inches of water
bbl/day = barrel per day	in Hg = inches of mercury
bhp = brake horsepower	IR = infrared
BMP = best management practices	ISC3 = Industrial Source Complex, a dispersion model
Btu = British thermal unit	ISCST3 = Industrial Source Complex Short-Term, a dispersion model
Btu/scf = British thermal unit per standard cubic foot or feet	K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
CAA = Clean Air Act	LACT = lease automatic custody transfer
CAM = compliance-assurance monitoring	LAER = lowest achievable emission rate
CEMS = continuous emissions monitoring systems	lb = pound
cfm = cubic feet (per) minute	lb/day = pound per day
CFR = Code of Federal Regulations	lb/hr = pound per hour
CN = customer ID number	lb/MMBtu = pound per million British thermal units
CNG = compressed natural gas	LDAR = Leak Detection and Repair (Requirements)
CO = carbon monoxide	LNG = liquefied natural gas
COMS = continuous opacity monitoring system	LPG = liquefied petroleum gas
CPMS = continuous parametric monitoring system	LT/D = long ton per day
DFW = Dallas/ Fort Worth (Metroplex)	m = meter
DE = destruction efficiency	m <sup>3</sup> = cubic meter
DRE = destruction and removal efficiency	m/sec = meters per second
dscf = dry standard cubic foot or feet	MACT = maximum achievable control technology
dscfm = dry standard cubic foot or feet per minute	MAERT = Maximum Allowable Emission Rate Table
ED = (TCEQ) Executive Director	MERA = Modeling and Effects Review Applicability
EF = emissions factor	mg = milligram
EFR = external floating roof tank	mg/g = milligram per gram
EGU = electric generating unit	mL = milliliter
EI = Emissions Inventory	MMBtu = million British thermal units
ELP = El Paso	MMBtu/hr = million British thermal units per hour
EPA = (United States) Environmental Protection Agency	MSDS = material safety data sheet
EPN = emission point number	MSS = maintenance, startup, and shutdown
ESL = effects screening level	MW = megawatt
ESP = electrostatic precipitator	NAAQS = National Ambient Air Quality Standards
FCAA = Federal Clean Air Act	NESHAP = National Emission Standards for Hazardous Air Pollutants
FCCU = fluid catalytic cracking unit	NGL = natural gas liquids
FID = flame ionization detector	NNSR = nonattainment new source review
FIN = facility identification number	NO <sub>x</sub> = total oxides of nitrogen
ft = foot or feet	NSPS = New Source Performance Standards
ft/sec = foot or feet per second	
g = gram	
gal/wk = gallon per week	
gal/yr = gallon per year	
GLC = ground level concentration	

PAL = plant-wide applicability limit  
 PBR = Permit(s) by Rule  
 PCP = pollution control project  
 PEMS = predictive emission monitoring system  
 PID = photo ionization detector  
 PM = periodic monitoring  
 PM = total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> = particulate matter equal to or less than 2.5 microns in diameter  
 PM<sub>10</sub> = total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 POC = products of combustion  
 ppb = parts per billion  
 ppm = parts per million  
 ppmv = parts per million (by) volume  
 psia = pounds (per) square inch, absolute  
 psig = pounds (per) square inch, gage  
 PTE = potential to emit  
 RA = relative accuracy  
 RATA = relative accuracy test audit  
 RM = reference method  
 RVP = Reid vapor pressure  
 scf = standard cubic foot or feet  
 scfm = standard cubic foot or feet (per) minute  
 SCR = selective catalytic reduction  
 SIL = significant impact levels  
 SNCR = selective non-catalytic reduction  
 SO<sub>2</sub> = sulfur dioxide  
 SOCM = synthetic organic chemical manufacturing industry  
 SRU = sulfur recovery unit  
 TAC = Texas Administrative Code  
 TCAA = Texas Clean Air Act  
 TCEQ = Texas Commission on Environmental Quality  
 TD = Toxicology Division  
 TLV = threshold limit value  
 TMDL = total maximum daily load  
 tpd = tons per day  
 tpy = tons per year  
 TVP = true vapor pressure  
 VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 VRU = vapor recovery unit or system

## **Special Conditions**

Permit Numbers 144784 and PSDTX994M1

1. This permit authorizes the Light Hydrocarbon 7 (LHC-7) facility located at the Dow Chemical Company's Plant B in Freeport, Brazoria County. All emission sources authorized by this permit are shown on the attached table entitled "Emission Sources-Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in that attached table.
2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the MAERT. Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

## **Federal Applicability**

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):
  - A. Subpart A, General Provisions.
  - B. Subpart VV, Standards for Synthetic Organic Chemical Manufacturing Industry (SOCMI) VOC Equipment Leaks
  - C. Subpart RRR, Standards for VOC Emissions from SOCMI Reactor Processes
4. These facilities shall comply with all applicable requirements of the U.S. EPA regulations on National Emission Standards for Hazardous Air Pollutants (NESHAPs) in 40 CFR Part 61:
  - A. Subpart A, General Provisions
  - B. Subpart J, Standards for Equipment Leaks of Benzene
  - C. Subpart V, Standards for Equipment Leaks
  - D. Subpart FF, Standards for Benzene Waste Operations
5. These facilities shall comply with all applicable requirements of the U.S. EPA regulations on NESHAPs for Source Categories in 40 CFR Part 63:
  - A. Subpart A, General Provisions
  - B. Subpart SS, National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process (as referenced by Subpart YY)
  - C. Subpart UU, Emission Standards for Equipment Leaks
  - D. Subpart XX, National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations (as referenced by Subpart YY)
  - E. Subpart YY, General MACT Standards
  - F. Subpart GGGGG, Standards for Site Remediation

6. If any condition of this permit is more stringent than the applicable regulations in Special Condition Nos. 3, 4, and 5, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.

### **Emission Standards and Operational Limitations**

7. Emissions from the LHC-7 Pyrolysis Furnace Nos. H1 through H5 (EPNs B72SH1 through B72SH5) shall not exceed the following rates during routine (non-MSS) operations:
  - A. NO<sub>x</sub> emissions:
    - (1) hourly average of 0.06 lb/MMBtu and
    - (2) 12-month rolling average of 0.05 lb/MMBtu.
  - B. CO emissions:
    - (1) hourly average of 100 parts per million (ppmv) and
    - (2) 12-month rolling average of 20 ppmv
  - C. The following definitions apply to pyrolysis furnaces operations:
    - (1) Startup means the period beginning when fuel is first introduced to the furnace, during either initial startup or following a shutdown; and ending when the furnace rate exceeds 125 MMBtu/hr and the hydrocarbon feed rate exceeds 50,000 lb/hr.
    - (2) Shutdown means the period beginning when the furnace rate is below 125 MMBtu/hr and hydrocarbon feed rate is below 50,000 lb/hr and ending when all fuel feed is removed from stopped to the furnace.
    - (3) Decoking means the period beginning when air is introduced to the furnace cracking coils for the purpose of decoking and ending when decoking air is removed.
    - (4) Transition from decoking to routine means operations occurring when the furnace is firing at or below 125 MMBtu/hr (HHV) and the hydrocarbon feed rate is below 50,000 lb/hr.
    - (5) Hot steam standby means operations occurring when the furnace is firing at or below 50% of its design firing rate and no hydrocarbon feed is being charged to the furnace, and the furnace is not in startup or shutdown.
  - D. Each furnace shall comply with emission rates listed on the MAERT at all times.  
**(PSD)**
8. Except for those periods described in 30 TAC § 111.111(a)(1)(E), opacity of emissions from all sources authorized by this permit shall meet one of the following conditions:
  - A. Opacity of emissions from all sources authorized by this permit shall not exceed 10 percent averaged over a six-minute period.
  - B. Opacity of emissions from each of the pyrolysis furnaces shall not exceed 5 percent averaged over a six-minute period.
9. Records shall be recorded and maintained for the maximum hourly and annual average fuel flow rates in MMBtu HHV/hour.



Fuel to the Pyrolysis Furnaces may include recovered flare gas from the flare gas recovery system (FGRS) as represented in the Alternative Method of Compliance (AMOC) No. 175 referenced in Attachment D of this permit. When FGRS gas is routed to the furnaces, it shall be included in the MMBtu determination required by this Special Condition and the maximum sulfur concentration allowed per Special Condition No. 11.

An appropriate application to consolidate and void Pollution Control Standard Permit No. 161913, which authorized the FGRS to be routed to the furnaces, shall be submitted by March 31, 2024.  
**(04/23)**

10. The Emergency Generator (EPN B72GE01) will operate for no more than 100 hours per year. Monthly records of the hours of operation shall be maintained. **(PSD)**

### **Sulfur Specifications**

11. If any concentrations of sulfur and/or hydrogen sulfide ( $H_2S$ ) in fuel gas, process, and feedstock streams exceed the following levels based on the sampling frequency designated in paragraphs (A) (1) and (2) of this condition, then additional records shall be maintained to demonstrate that no emission rate is exceeded throughout the duration of the exceedance of the maximum concentration:

<b>Fuel/Feedstock/Process Stream</b>	<b>Maximum Concentration</b>
Natural Gas	0.5 grain sulfur/100 scf
Pyrolysis Furnace Off-Gas Fuel	0.1 ppm $H_2S$
Cracked Gas (following Dryer)	0.1 ppm $H_2S$
LPG/Feedstock	1,000 ppm sulfur

- A. Records shall be kept of the total sulfur concentration in fuels, process streams, and feedstocks as required to show compliance with this condition.
- (1) Natural Gas: grains of sulfur per 100 standard cubic feet (scf) measured initially and annually during the first quarter of each year, and
- (2) Feedstocks/Process Streams: ppm sulfur measured within 90 days of first use and then annually during the first quarter of each year when used, or
- B. In lieu of the feedstock and natural gas testing specified above, a copy of the natural gas or feedstock purchase contract or purchase specification that indicates the natural gas and feedstock stream sulfur content to be used with flowrate data to demonstrate compliance as required by (A)(1) of this condition.

### **Flares**

12. Flares shall be designed and operated in accordance with the following requirements:
- A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity at all times when emissions may be vented to them.

The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.

- B. The flares shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple, infrared monitor, or ultraviolet monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.
- C. The flares shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours.
- D. For the elevated flare, FS-1 (EPN B60F3), the permit holder shall install a continuous flow monitor and composition analyzer that provides a record of the vent stream flow and composition (total VOC). The flow monitor sensor and analyzer sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the flow and composition shall be recorded each hour.

The monitors shall be calibrated or have a calibration check performed on an annual basis to meet the following accuracy specifications: the flow monitor shall be  $\pm 5.0\%$ , temperature monitor shall be  $\pm 2.0\%$  at absolute temperature, and pressure monitor shall be  $\pm 5.0$  mm Hg.

Calibration of the analyzer shall follow the procedures and requirements of Section 10.0 of 40 CFR Part 60, Appendix B, Performance Specification 9, as amended through October 17, 2000 (65 FR 61744), except that the multi-point calibration procedure in Section 10.1 of Performance Specification 9 shall be performed at least once every calendar quarter instead of once every month, and the mid-level calibration check procedure in Section 10.2 of Performance Specification 9 shall be performed at least once every calendar week instead of once every 24 hours. The calibration gases used for calibration procedures shall be in accordance with Section 7.1 of Performance Specification 9. Net heating value of the gas combusted in the flare shall be calculated according to the equation given in 40 CFR §60.18(f)(3) as amended through October 17, 2000 (65 FR 61744).

The small flare, (EPN B72F1), shall be equipped with a calorimeter that provides a record of the net heating value of the vent stream flow to the flare. The sample point shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the Btu content shall be recorded each hour. **(09/21)**

The calorimeter shall be calibrated, installed, operated, and maintained, in accordance with manufacturer recommendations, to continuously measure and record the net heating value of the gas sent to the flare, in British thermal units/standard cubic foot of the gas.

The monitors and analyzers shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a rolling 12-month period. Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR §§60.18(f)(3) and 60.18(f)(4) shall be recorded at least once every hour. For the large flare (EPN B60F3), the hourly mass emission rates shall be determined and recorded using the above readings and the emission factors provided below : **(04/23)**

Contaminant	Assist Type	Waste Gas Stream Net Heating Value	Emissions Factor
NOx	Steam	High Btu	0.0485 lb/MMBtu
		Low Btu	0.068 lb/MMBtu
	Unassisted	High Btu	0.138 lb/MMBtu
		Low Btu	0.0641 lb/MMBtu
CO	Steam	High Btu	0.3503 lb/MMBtu
		Low Btu	0.3465 lb/MMBtu
	Unassisted	High Btu	0.2755 lb/MMBtu
		Low Btu	0.5496 lb/MMBtu
SOx	Natural Gas	Contract maximum of 0.5 gr/100scf or lower.	
	Waste Gas	0 – 50 ppm, wt	
VOC	Natural Gas	5.5 lb/MMscf fuel	
	Waste Gas	99% for certain compounds up to three carbons, 98% otherwise	

Note: High Btu: >1,000 Btu/scf, Low Btu:<1,000 Btu/scf

- E. The following requirements apply to the capture system for elevated flare, FS-1 (EPN B60F3)
- (1) Conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or
  - (2) Once a year, verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
  - (3) Comply with either of the following requirements: **(04/23)**
    - (a) Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or
    - (b) Once a month, inspect the valves, verifying that the position of the valves and the condition of the car seals prevent flow out the bypass.

A bypass does not include authorized analyzer vents, highpoint bleeder vents, and low point drains.

The flare gas recovery system (FGRS) as represented in the Alternative Method of Compliance (AMOC) No. 175 referenced in Attachment D of this permit is an authorized alternative to the elevated flare, FS-1 (EPN B60F3).

- F. The FS-1 Large Elevated Flare (EPN B60F3) shall operate in accordance with the 40 CFR 63 Subpart YY "National Emission Standards for Hazardous Air Pollutants: Generic Maximum Achievable Control Technology Standards Residual Risk and Technology Review for Ethylene Production" dated July 6, 2020. Compliance with the requirements of this paragraph shall begin July 6, 2023. Before this date, paragraphs A through E of this Special Condition shall apply to the flare. **(04/23)**

### Cooling Tower

13. The LHC-7 Cooling Tower (EPN B72CT1) shall be monitored in accordance with the following conditions. Corrective action shall be taken when the VOC concentration in the combined water return at the cooling tower exceeds 50 parts per billion (ppb) as required by TCEQ approved sampling methods:
- A. The cooling tower water shall be monitored monthly for VOC leakage from heat exchangers in accordance with the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or another air stripping method approved by the TCEQ Executive Director.
- B. Cooling tower water VOC concentrations above 50 ppb indicate faulty equipment. Equipment shall be maintained so as to minimize VOC emissions into the cooling water. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs.
- Emissions from the cooling tower are not authorized if the VOC concentration of the water returning to the cooling tower exceeds 500 ppb. The VOC concentrations above 500 ppb are not subject to extensions for delay of repair under this permit condition. The results of the monitoring and maintenance efforts shall be recorded.
- C. Cooling Tower Water Systems subject to 40 CFR § 63.104(b) HON or subject to 40 CFR §63.1086 of Subpart XX may be monitored monthly for VOC leakage from heat exchangers in accordance with these requirements.
- D. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs. Results of the monitoring and maintenance effort shall be recorded
- E. Cooling towers shall each be equipped with drift eliminators having manufacturer's design assurance of 0.0008% drift or less. Drift eliminators shall be maintained and inspected at least annually. The permit holder shall maintain records of all inspections and repairs.
- F. Total dissolved solids (TDS) shall not exceed 8040 parts per million by weight (ppmw). Dissolved solids in the cooling water drift are considered to be emitted as PM, PM<sub>10</sub>, and PM<sub>2.5</sub> as represented in the permit application calculations.
- G. Cooling towers shall be analyzed for particulate emissions using one of the following methods:

- (1) Cooling water shall be sampled at least once per day for total dissolved solids (TDS); or
  - (2) TDS monitoring may be reduced to weekly if conductivity is monitored daily and TDS is calculated using a ratio of TDS-to-conductivity (in ppmw per  $\mu\text{mho}/\text{cm}$  or ppmw/siemens). The ratio of TDS-to-conductivity shall be determined by concurrently monitoring TDS and conductivity on a weekly basis. The permit holder may use the average of two consecutive TDS-to-conductivity ratios to calculate daily TDS; or
  - (3) TDS monitoring may be reduced to quarterly if conductivity is monitored daily and TDS is calculated using a correlation factor established for each cooling tower. The correlation factor shall be the average of nine consecutive weekly TDS-to-conductivity ratios determined using C(2) above provided the highest ratio is not more than 10% larger than the smallest ratio.
  - (4) The permit holder shall validate the TDS-to-conductivity correlation factor once each calendar quarter. If the ratio of concurrently sampled TDS and conductivity is more than 10% higher or lower than the established factor, the permit holder shall increase TDS monitoring to weekly until a new correlation factor can be established.
- H. Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.
- (1) The analysis method for TDS shall be EPA Method 160.1, ASTM D5907, or SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection and transferred to a laboratory area for analysis.
  - (2) The analysis method for conductivity shall be either ASTM D1125-14 Test Method A (field or routine laboratory testing) or ASTM D1125-14 Test Method B (continuous monitor). The analysis may be conducted at the sample site or with a calibrated process conductivity meter. If a conductivity meter is used, it shall be calibrated at least annually. Documentation of the method and any associated calibration records shall be maintained.
  - (3) Alternate sampling and analysis methods may be used to comply with D(1) and D(2) with written approval from the TCEQ Regional Director.
  - (4) Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.
- I. Emission rates of PM, PM<sub>10</sub> and PM<sub>2.5</sub> shall be calculated using the measured TDS and the ratio or correlation of TDS to conductivity measurements, the design drift rate and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.

## **Fugitives**

### **Piping, Valves, Connectors, Pumps, Agitators, and Compressors – 28VHP**

14. Except as may be provided for in the Special Conditions of this permit, the following requirements apply to the process equipment within the LHC-7 Fugitive Area (EPN B72FU1)

- A. The requirements of paragraphs F and G shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.

The exempted components may be identified by one or more of the following methods:

- piping and instrumentation diagram (PID);
  - a written or electronic database or electronic file;
  - color coding;
  - a form of weatherproof identification; or
  - designation of exempted process unit boundaries.
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in Paragraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

- (1) a cap, blind flange, plug, or second valve must be installed on the line or valve;  
or

- (2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72-hour period following the creation of the open-ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

- F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. If a relief valve is equipped with rupture disc, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

Replacements for leaking components shall be re-monitored within 15 days of being placed back into VOC service.

- G. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.
- H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced

or repaired. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.

- I. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shut down as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shut down or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.
  - J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.
  - K. Alternative monitoring frequency schedules of 30 TAC 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.
  - L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
15. In addition to the weekly physical inspection for connectors specified in the section of this permit for the 28VHP LDAR program, all of the uninsulated connectors within the LHC-7 fugitive area (EPN B72FU1) shall be monitored at least annually with an approved gas analyzer as specified for valves in the 28VHP section above. Alternative monitoring frequency schedules of Title 40 CFR Part 63, Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, may be used in lieu of the monitoring frequency required by this condition. Compliance with this condition does not assure compliance with requirements of applicable state or federal regulation and does not constitute approval of alternative standards for these regulations.
16. In addition to the weekly physical inspection required by Item E of Special Condition No. 14, accessible connectors in gas/vapor and light liquid service that are in service with streams containing more than 5% HRVOC chemicals, or streams IDs B72-BzWstMu, B72-T53B and DMDS that shall be monitored quarterly with an approved gas analyzer in accordance with Items F thru J of Special Condition No. 14.



- A. Allowance for reduced monitoring frequencies.
  - (1) The frequency of monitoring may be reduced from quarterly to semiannually if the percent of connectors leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.
  - (2) The frequency of monitoring may be reduced from semiannually to annually if the percent of connectors leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.
- B. If the percent of connectors leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph. The percent of connectors leaking used in paragraph A shall be determined using the following formula:

$$(CI + Cs) \times 100/Ct = Cp$$

Where:

CI = the number of connectors found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Cs = the number of connectors for which repair has been delayed and are listed on the facility shutdown log.

Ct = the total number of connectors in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including nonaccessible and unsafe-to-monitor connectors.

Cp = the percentage of leaking connectors for the monitoring period.

#### **Piping, Valves, Pumps, and Compressors in Chlorine (Cl<sub>2</sub>) and Hydrogen Chloride (HCl) Service**

- 17. The Fugitive Area (EPN B72FU1) is subject to the physical fugitive emission monitoring requirements specified in paragraphs A through C of this condition.
  - A. Auditory, visual, and olfactory (AVO) checks for HCl and Cl<sub>2</sub> leaks within the operating area shall be made at least once per shift.
  - B. Immediately, but not later than one hour upon detection of a leak, plant personnel shall take one or more of the following actions:
    - (1) Isolate the leak.
    - (2) Commence repair or replacement of the leaking component.
    - (3) Use a leak collection/containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.
  - C. Records shall be maintained at the plant site of all repairs and replacements resulting from Cl<sub>2</sub> or HCl leaks. These records shall be maintained for a period of five years and shall be made available to representatives of the TCEQ upon request. Records of the AVO physical inspections are not required unless a leak is detected.

### Stack Sampling

18. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the Pyrolysis Furnaces H1 through H5 (EPNs B72SH1 through B72SH5). The permit holder may test two of the represented five furnaces; any test failure requires sampling all five. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods.

- A. The appropriate TCEQ Regional Office shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

- (1) Date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.
- (6) Procedure/parameters to be used to determine worst-case emissions during the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, TCEQ, or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director must approve any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for 40 CFR Part 60 testing which must have EPA approval shall be submitted to the TCEQ Houston Regional Office

- B. Air contaminants emitted from the LHC-7 Pyrolysis Furnaces H1 through H5 (EPNs B72SH1 through B72SH5) to be tested for include (but are not limited to) NO<sub>x</sub>, particulate matter (PM) (including PM<sub>10</sub> but not as a separate pollutant), CO, sulfur dioxide, and VOC.
- C. Sampling shall occur within 60 days after the furnaces maximum operating rate as measured by the furnaces firing rate, but no later than 180 days after (a) initial start-up of the facilities, (b) production increases resulting in firing rates greater than the maximum operating rate basis (514 MMBtu/hr) and (c) at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate TCEQ Regional Office. The regional office may also waive re-testing requirements for production increases that do not exceed the specified firing rate considerations.
- D. The Cracking Furnaces shall be operated at or as close as technically practicable to the maximum fuel firing rate in MMBtu represented in the application. The sulfur content of the fuel shall be determined during testing for SO<sub>2</sub> but is not required to be varied or maximized

during the test if the fuel sulfur content and stack SO<sub>2</sub> emissions are within an accurate measurement range. These conditions, parameters, and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph B and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

During subsequent operations, if the 12-month rolling average CO concentration for any cracking furnace is more than 5 ppmvd at 3% O<sub>2</sub> greater than that recorded during the furnace testing for PM and VOC, stack sampling shall be performed at the new operating conditions within 120 days. If the annual average sulfur content of the fuel is noted to be an order of magnitude greater than that recorded during the furnace testing for SO<sub>2</sub> stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.

- E. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the appropriate TCEQ Houston Regional Office.

One copy of each report to the Brazoria County Air Pollution Control Program, Angleton.

- 19. Sampling ports and platform(s) shall be incorporated into the design of the Pyrolysis Furnaces H1 through H5 (EPNs B72SH1 through B72SH5) according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the TCEQ Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director. **(PSD)**

### **Continuous Determination of Compliance**

- 20. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> from the Pyrolysis Furnaces H1 through H5 (EPNs B72SH1 through B72SH5).
  - A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Austin Office of Air, Air Permits Division for requirements to be met.
  - B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:
    - (1) The permit holder shall assure that the CEMS meets the applicable quality assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Director, and necessary

corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

- (2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using cylinder gas audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of  $\pm 15$  percent accuracy indicate that the CEMS is out of control.

- C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of such as lbs/hr or lb/MMBtu at least once every week as follows:

The measured hourly average concentration from the CEMS shall be used with EPA Method 19 to determine the hourly emission rate. The NO<sub>x</sub> emissions shall be shown in the units lb/MMBtu. The CO shall be shown in parts per million by volume.

- D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.
- F. Quality assured (or valid) data must be generated when the Pyrolysis Furnaces are operating except during the performance of a daily zero and span check. Loss of valid data due to periods of computer system failure, monitor break down, out of control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the Pyrolysis Furnaces H-1 through H-5 operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Director. **(PSD)**

#### **Planned Maintenance, Startup and Shutdown**

21. This permit authorizes the emissions for the planned maintenance, startup, and shutdown (MSS) activities summarized in the MSS Activity Summary (Attachment C) attached to this permit.

Attachment A identifies the inherently low emitting MSS activities that may be performed at the plant. Emissions from activities identified in Attachment A shall be considered to be equal to the

potential to emit represented in the permit application. The estimated emissions from the activities listed in Attachment A must be revalidated annually. This revalidation shall consist of the estimated emissions for each type of activity and the basis for that emission estimate.

Routine maintenance activities, as identified in Attachment B may be tracked through the work orders or equivalent. Emissions from activities identified in Attachment B shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity identified in the permit application.

The performance of each planned MSS activity not identified in Attachments A or B and the emissions associated with it shall be recorded and include at least the following information:

- A. the process unit at which emissions from the MSS activity occurred, including the emission point number and common name of the process unit;
- B. the type of planned MSS activity and the reason for the planned activity;
- C. the common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
- D. the date and time of the MSS activity and its duration;
- E. the estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.

All MSS emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis.

- 22. Vessels and equipment, with the exception of those identified in Attachments A and B shall be depressurized, emptied, and purged with all process and waste liquids pushed forward through the system in closed piping and waste gases vented to process flares. When all liquids are removed and the vessels and equipment have been purged with at least two equivalent volumes of purge gas the vessels and equipment may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition No. 23. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. If there is not a connection (such as a sample, vent, or drain valve) available from which a representative sample may be obtained, a sample may be taken upon entry into the system after degassing has been completed. The sample shall be taken from inside the vessel so as to minimize any air or dilution from the entry point. The facilities shall be degassed to a control device or controlled recovery system until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL.
- 23. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.
  - A. VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR 60, Appendix A) with the following exceptions:
    - (1) The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor (RF) of the VOC (or mixture of VOCs) to be monitored shall be

less than 2.0. The calibration gas and the gas to be measured, and its approximate (RF) shall be recorded. If the RF of the VOC (or mixture of VOCs) to be monitored is greater than 2.0, the VOC concentration shall be determined as follows:

VOC Concentration = Concentration as read from the instrument\*RF

In no case should a calibration gas be used such that the RF of the VOC (or mixture of VOCs) to be monitored is greater than 5.0.

- (2) Sampling shall be performed as directed by this permit in lieu of section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes, recording VOC concentration each minute. As an alternative the VOC concentration may be monitored over a five-minute period with an instrument designed to continuously measure concentration and record the highest concentration read. The highest measured VOC concentration shall be recorded and shall not exceed the specified VOC concentration limit prior to uncontrolled venting.
- B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.
- (1) The air contaminant concentration measured as defined in (3) is less than 80 percent of the range of the tube and is at least 20 percent of the maximum range of the tube.
  - (2) The tube is used in accordance with the manufacturer's guidelines.
  - (3) At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:  
$$\text{measured contaminant concentration (ppmv)} < \text{release concentration.}$$

Where the release concentration is:

$$10,000 * \text{mole fraction of the total air contaminants present that can be detected by the tube.}$$

The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.
- Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.
- C. Lower explosive limit measured with a lower explosive limit detector.
- (1) The detector shall be calibrated within 30 days of use with a certified pentane gas standard at 25% of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
  - (2) A functionality test shall be performed on each detector within 24 hours of use with a certified gas standard at 25% of the LEL for pentane. The LEL monitor shall read no lower than 90% of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
  - (3) A certified methane gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane.

24. Additional occurrences of MSS activities authorized by this permit may be authorized under permit by rule only if conducted in compliance with this permit's procedures, emission controls, monitoring, and recordkeeping requirements applicable to the activity.
25. Control devices required by this permit for emissions from planned MSS activities are limited to the large flare (EPN B60F3) that meets the flare requirements of this permit. The control device shall not have a bypass.

**Permit by Rule Incorporated by Reference**

26. The following sources and/or activities are authorized under a Permit by Rule (PBR) by Title 30 Texas Administrative Code Chapter 106 (30 TAC Chapter 106). These lists are not intended to be all inclusive and can be altered without modifications to this permit. **(09/21)**

Authorization	Source or Activity
PBR Nos. 152308, 154686, 156270, 157613, 158547, 159113, 160358, 161923, 162615	Authorize additional fugitive emissions (EPN B72FU1) associated with additional fugitive components.

**Standard Permit Incorporated by Reference**

27. The following sources and/or activities are authorized under a Standard Permit. **(09/21)**

Authorization	Source or Activity
Standard Permit 161913	Authorize construction and operation of a flare gas recovery system (FGRS) (EPN B60F3). Authorize fugitive emission increases of volatile organic compounds (VOC) associated with additional piping (EPN B72FU1) Authorize increases in VOC emissions from the heaters (EPNs B72SH1, B72SH2, B72SH3, B72SH4, B72SH5).

Date: April 4, 2023

**Permit 144784 and PSDTX994M1**

Attachment A

Inherently Low Emitting Activities

Activity	Emissions				
	VOC	NO <sub>x</sub>	CO	PM	H <sub>2</sub> S/SO <sub>2</sub>
Aerosol Cans	x			x	
Instrument/analyzer maintenance	x				
Relief device maintenance	x				
Replacement of analyzer filters and screens	x				
Sample station venting	x				

Date: April 16, 2019



**Permit 144784 and PSDTX994M1**

Attachment B

Routine Maintenance Activities

Pump repair/replacement

Compressor repair/replacement

Line breaks, small piping

Pipe opening

Vessel repair/replacement

Date: April 16, 2019

**Permit 144784 and PSDTX994M1**

Attachment C

MSS Activity Summary

<b>Facilities</b>	<b>Description</b>	<b>Emission Activity</b>	<b>EPN</b>
all process vessels, exchangers and towers in LHC-7	Clearing and degassing for planned maintenance opening	Vent to flare	B60F3
all process vessels, exchangers and towers in LHC-7	Equipment opening after clearing and degassing until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL	Vent to atmosphere	B72MEFU1
all process vessels, exchangers, towers, compressors, pumps, and piping	Unit Startup and Shutdown	Vent to flare	B60F3
see Attachment A	miscellaneous low emitting activities	see Attachment A	
see Attachment B	Routine maintenance activities	see Attachment B	

Date: April 16, 2019

**Permit 144784 and PSDTX994M1**

Attachment D

Authorization Incorporation

The following sources and/or activities are incorporated in this permit.

Authorization	Date Authorized	Source or Activity
AMOC No. 175	May 7, 2021	The monitoring and testing requirements of 30 TAC 115, Subchapter H, Division 1: HRVOC Vent Gas Control, §115.725(c) and §115.726(c) requires PRVs not controlled by a flare to be monitored by a continuous monitoring system on the pressure relief valve or in the associated process system. AMOC 175 allows these requirements to be waived upon the installation of flare gas recovery system. <b>(04/23)</b>

Date: April 4, 2023

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 144784 and PSDTX994M1

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B72SH1	Pyrolysis Furnace H1	CO	45.27	-
		CO (Decoking)	181.08	-
		NO <sub>x</sub>	30.86	-
		SO <sub>2</sub>	0.72	-
		SO <sub>2</sub> (Decoking)	65.90	-
		PM	3.83	-
		PM <sub>10</sub>	3.83	-
		PM <sub>2.5</sub>	3.83	-
		VOC	2.77	-
		Ethylene	0.80	-
B72SH2	Pyrolysis Furnace H2	CO	45.27	-
		CO (Decoking)	181.08	-
		NO <sub>x</sub>	30.86	-
		SO <sub>2</sub>	0.72	-
		SO <sub>2</sub> (Decoking)	65.90	-
		PM	3.83	-
		PM <sub>10</sub>	3.83	-
		PM <sub>2.5</sub>	3.83	-
		VOC	2.77	-
		Ethylene	0.80	-
B72SH3	Pyrolysis Furnace H3	CO	45.27	-
		CO (Decoking)	181.08	-
		NO <sub>x</sub>	30.86	-
		SO <sub>2</sub>	0.72	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		SO <sub>2</sub> (Decoking)	65.90	-
		PM	3.83	-
		PM <sub>10</sub>	3.83	-
		PM <sub>2.5</sub>	3.83	-
		VOC	2.77	-
		Ethylene	0.80	-
B72SH4	Pyrolysis Furnace H4	CO	45.27	-
		CO (Decoking)	181.08	-
		NO <sub>x</sub>	30.86	-
		SO <sub>2</sub>	0.72	-
		SO <sub>2</sub> (Decoking)	65.90	-
		PM	3.83	-
		PM <sub>10</sub>	3.83	-
		PM <sub>2.5</sub>	3.83	-
		VOC	2.77	-
		Ethylene	0.80	-
B72SH5	Pyrolysis Furnace H5	CO	45.27	-
		CO (Decoking)	181.08	-
		NO <sub>x</sub>	30.86	-
		SO <sub>2</sub>	0.72	-
		SO <sub>2</sub> (Decoking)	65.90	-
		PM	3.83	-
		PM <sub>10</sub>	3.83	-
		PM <sub>2.5</sub>	3.83	-
		VOC	2.77	-
		Ethylene	0.80	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B72SH1, B72SH2, B72SH3, B72SH4, B72SH5	Furnace Source Group Cap	CO	-	158.65
		NO <sub>x</sub>	-	469.26
		SO <sub>2</sub>	-	2.59
		PM	-	58.63
		PM <sub>10</sub>	-	58.63
		PM <sub>2.5</sub>	-	58.63
		VOC	-	49.36
		Ethylene	-	6.93
B72CT1	CT-1 Cooling Tower	VOC	3.25	13.71
		Ethylene	2.05	4.51
		Propylene	3.25	11.03
		PM	4.02	5.87
		PM <sub>10</sub>	0.69	3.03
		PM <sub>2.5</sub>	<0.01	0.03
B72FU1	B-7200 Process Area Fugitives (5)	VOC	11.45	49.99
		Ethylene	6.20	26.99
		Propylene	2.45	10.71
		Cl <sub>2</sub>	0.01	0.05
		HCl	0.08	0.35
B72GE01	Emergency Generator	CO	1.14	0.05
		NO <sub>x</sub>	2.87	0.14
		SO <sub>2</sub>	0.35	0.02
		PM	0.37	0.02
		PM <sub>10</sub>	0.37	0.02
		PM <sub>2.5</sub>	0.37	0.02
		VOC	0.42	0.02
B72SC02	B-7202 Degreasing	VOC	0.31	1.34

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B72SH1, B72SH2, B72SH3, B72SH4, B72SH5, B72CT1, B72FU1, B72GE01, B72SC02	Compliance Cap (includes Furnaces, Cooling Tower, Fugitives, Emergency Degreaser, and Degreasing	CO	227.49	150.17
		NO <sub>x</sub>	157.15	467.80
		SO <sub>2</sub>	95.17	7.64
		PM	22.05	73.62
		PM <sub>10</sub>	22.05	73.62
		PM <sub>2.5</sub>	22.05	73.62
		VOC	17.92	73.53
		Cl <sub>2</sub>	0.01	0.05
		HCl	0.08	0.35
B72SH1	Furnace Purge (MSS), H-1	VOC	0.01	<0.01
B72SH2	Furnace Purge (MSS), H-2	VOC	0.01	<0.01
B72SH3	Furnace Purge (MSS), H-3	VOC	0.01	<0.01
B72SH4	Furnace Purge (MSS), H-4	VOC	0.01	<0.01
B72SH5	Furnace Purge (MSS), H-5	VOC	0.01	<0.01
B60F3	FS-1 Large Elevated Flare (Routine Emissions)	CO	207.59	178.22
		NO <sub>x</sub>	40.74	34.98
		SO <sub>2</sub>	0.60	0.25
		VOC	202.29	29.98
		Ethylene	95.00	13.14
		Propylene	75.00	6.57
	FS-1 Large Elevated Flare (MSS Emissions)	CO	2602.53	100.10
		NO <sub>x</sub>	360.30	15.90
		SO <sub>2</sub>	6.40	0.20
		VOC	2168.77	76.93
		Ethylene	1820.00	30.88
		Propylene	1284.28	20.46

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B72F1	FS-2 Small Elevated Flare (Operating as unassisted)	CO	8.73	38.25
		NO <sub>x</sub>	1.02	4.46
		SO <sub>2</sub>	0.09	0.08
		VOC	0.21	0.88
B72MEFU1	Attachment A	VOC	2.06	0.23
	Attachment B	VOC	3.65	0.11
	Equipment Opening (MSS) Attachment C	VOC	271.11	0.27

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.  
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.  
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
Cl<sub>2</sub> - chlorine  
HCl - hydrogen chloride  
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.  
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 28, 2021